The Relationship between Student Satisfaction and Attendance at Synchronous Class Meetings in Online Graduate Courses

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Abstract

This study examines the relationship between student satisfaction and attendance at synchronous class meetings in online graduate courses. Graduate students in online courses at universities across the United States were recruited to participate in the study. The researcher used a 52-question survey tool, including items from the Course Experience Questionnaire (CEQ), which has been used across the university system in Australia since the early 1990s. A total of 17 individuals began the survey; 12 completed the entire instrument. Upon analysis of the data, it was determined that there was not a correlation between satisfaction and attendance, but there was a correlation between satisfaction and the number of recordings watched. Though the results of the study show statistical significance, the small sample size means that the results have little to no practical significance. An additional study with a larger sample is needed to produce a much clearer picture of the relationship.

Keywords: student satisfaction, web conferencing, online course, synchronous meeting

The Relationship between Student Satisfaction and Attendance at Synchronous Class Meetings in Online Graduate Courses

Over the past few years there has been increasing interest in the use of web conferencing tools to facilitate collaboration in distance education courses (Suduc, Bizoi, & Filip, 2009). With the advancement of telecommunication technologies, synchronous web conferencing tools have evolved (Grant & Cheon, 2007) and now offer students and teachers the best solution to bridging the communication gap in online learning (Stewart, Harlow, & DeBacco, 2011). Larger, portable video conferencing equipment has morphed into webcams and online web conferencing tools like Adobe Connect, Blackboard Collaborate, Webex, and go2meeting. Zijdemans-Boudreau (2009) explains that web conferencing "technology supports application sharing, web browsing as well as other interactive features such as polls or surveys, and the ability for participants to manipulate the presenter's screen, for example: to write on a whiteboard. Also, the live sessions can also be recorded and made into archives" (p. 1). Many years of research investigating the role of interactive technology have shown that web conferencing allows rich collaboration to be re-invented within the online learning environment (Zijdemans-Boudreau, 2009; Baecker, Moore, & Zijdemans, 2003). These built in tools allow for real time bidirectional communication (Suduc, et al., 2009).

In addition to combining interactive features, real time web conferencing allows for the best alternative to collaborating in a face-to-face setting. Moore (1989) explains that when teachers and distance learning students interact, the student is able to draw from the teacher's expertise. This interaction then allows the learner to relate more effectively with the content. It gives an opportunity for both teacher and students to connect, interact, and clarify (Moore, 1989).

Moore (1989) identified three types of interactions. They include: student-content (SC), student–student (SS), and student-instructor (ST). In a meta-analysis, Bernard et al. (2009) found that “ST interaction traditionally focused on classroom-based dialogue between students and the instructor. According to Moore (1989), during ST interaction the instructor seeks "to stimulate or at least maintain the student's interest in what is to be taught, to motivate the student to learn, to enhance and maintain the learner's interest, including self-direction and self-motivation" (p. 2). Web conferencing technology has given the teacher the means to interact and provide the type of guidance that was not possible in the previous era of distance learning.

A 2004 paper by Levy surmised that student satisfaction with online courses is a major factor related to a student’s decision to dropout an online course. Levy (2004) also reported that a 2003 study conducted by Shea, Picket and Pelz indicated that student satisfaction correlated with an instructor’s direct interaction with that student. In addition, a study by Jung, Choi, Lim, & Leem (2002) presented that students who participated in online collaborations communicated a greater satisfaction level than students who did not. From the research, it is clear that student-teacher interaction plays a role in student satisfaction.

There are several studies that examined the various forms of synchronous interaction in online learning (Grant & Cheon, 2007; Jung, Choi, Lim & Leem, 2002; Moore, 1989). However, there are fewer studies that focus specifically on synchronous interaction through web conferencing as a means to promote student satisfaction in a distance learning courses. The lack of published research regarding student satisfaction and synchronous web conference attendance prompted further investigation. This research study will explore the use of synchronous web conferencing in online graduate courses to determine if student attendance impacts a student’s

satisfaction with that course. The researchers of this paper hypothesize that there is a relationship between satisfaction and synchronous class meeting attendance.

Method

Participants

For this study, we recruited 17 *(*52.9% female, 47.1% male*)* graduate students in online courses at Universities across the United States. Participants were initially recruited through email messages sent to selected students and instructors who were either known to be enrolled in or teaching online courses. Information about the survey was also posted to Twitter, a Facebook group for online doctoral students at a university in the Midwest, and through LinkedIn groups for several regional and national distance learning and educational technology organizations. In each of these communications, no incentives were offered. Recipients were encouraged to distribute information about the study to students, peers, and colleagues within their university and beyond. Among those who responded, 5 surveys were deleted from the final data set either due to incomplete questionnaires or because the respondent's course did not actually incorporate live online class meetings.

The resulting sample of 12 students was 57.1% female. The largest percentage of the group, 41.7%, falls in the 35-44 age group (25 – 34, 25%; 35 – 44, 41.7%; 45 – 54, 25%; and 55 – 64, 8.3%). The majority (83.3%) of respondents hold Masters degrees (Bachelors degree, 16.7%; PhD, 0.0%; etc.) and are pursuing doctorates (doctorate, 66.7%; masters, 16.7%; graduate or professional degree, 8.3%; None, 8.3%). Most (75.0%) live in Texas (Wyoming, Arizona, and Hangzhou, China, 8.3% each). On average, the students report 45.42 hours of paid work a week and have 1.5 children age 6 and over and 0.5 children under the age of 6 living in the home.

As a whole, the students are not new to online learning. The average number of online courses completed by the respondents within the last twelve months is 5.5 (*SD* = 3.705, range = 12); 81.8% of these courses incorporated web conferencing sessions. A majority of those students responding use web conferencing tools regularly to some degree; 25% use web conferencing tools daily, 25% use them weekly, 33.3% use web conferencing only once or twice a month, 8.3% use it two or three times a year, and 8.3% do not use it at all. More than 75% of the students indicated they are very comfortable with web conferencing tools (on a scale of 1 to 5 with 5 being most comfortable, 66.7% marked 5; 8.3% marked 4; 25.0% marked 3).

The Survey Instrument

Each student in the sample responded to a single self-report, online questionnaire consisting of 52 questions focused on four areas of interest, including student demographics, course information, student attendance at online class meetings, and student satisfaction.

Demographics. The first section of the survey presented respondents with 11 questions designed to collect demographic data. Of those, there were questions regarding age, gender, educational attainment, number of children in the household, weekly hours of paid work, and current place of residence. These questions were followed with four questions related to experience with online learning, web conferencing technology and overall comfort level with web conferencing tools.

Course information. After completing the demographic questions, respondents were asked to consider one online course they had taken within the past twelve months and to use that course to answer all remaining questions. To learn more about the course being evaluated, the next set of questions was structured to elicit information about the course the student had selected to evaluate. Questions here asked for the name of the course and the learning

management system and web conferencing software used in the course. There were 4 questions asking specifically about the online class meetings, such as how often meetings were held, what time the meetings were held and whether they took place during the week or on weekends, and if students had access to recordings of the class meetings.

Student attendance. The next three questions asked students to report on the percentage of class meetings they attended and the number of recordings watched. Students attending fewer than 50% of all online class meetings were asked to explain the reason for attending less than half of the class meetings. The final two questions in this section provided students with the opportunity to comment on the best aspects of the online class meeting as well as those aspects most in need of improvement.

Student satisfaction. The student satisfaction portion of the instrument was based on the Course Experience Questionnaire (CEQ) which has been used across the university system in Australia since the early 1990s (Grace, Weaven, Bodey, Ross, & Weaven, 2012; Wilson, Lizzio, & Ramsden, 1997). While not designed explicitly for this application, the CEQ is regularly used "as a proxy for student satisfaction" (Grace et al., 2012, p. 1). Furthermore, research suggests a relationship between items measured in the CEQ and a student's overall satisfaction (Grace et al., 2012; Ramsden, 1991).

The Course Experience Questionnaire has evolved over the years with varying numbers of questions (Ramsden, 1991; Wilson et al., 1997), but the version used most often today consists of 25 items spread across five scales (Grace et al., 2012). This 25-item CEQ includes 6 items to measure good teaching (GT scale); 5 items measuring clear goals and standards (CG scale); 3 items to measure appropriate assessment (AA scale); 4 items related to appropriate workload (AW scale); and 6 items measuring generic skills efficacy (GS scale), which replaced a

scale measuring emphasis on independence on previous versions. The last item on the CEQ was related directly to overall satisfaction (Grace et al., 2012). Each item is measured by a 5-item Likert scale ranging from Agree to Disagree.

Given the long history and broad application of the CEQ, the instrument has been evaluated for validity and reliability in multiple studies (Mcinnis, 2001; Ramsden, 1991; Wilson et al., 1997). In developing the CEQ, Ramsden reports using three different external criterion to test for validity, including "quality of student learning, [student] satisfaction with their courses, and [student's] lecturers' own descriptions of their attitudes to teaching and students" (Ramsden, 1991, p. 8). The correlation values for the student satisfaction criterion range from 0.21 to 0.60 with scale for Good Teaching having the highest correlation (Good Teaching, 0.60; Clear Goals and Standards, 0.47; Appropriate Workload, 0.21; Appropriate Assessment, 0.40; and Emphasis on Independence, 0.40). As Ramsden notes, these values alone are not enough to suggest that the CEQ can be used as a replacement for a stand-alone measure of student satisfaction, but they do "support the instrument's validity" (1991, p. 8).

The results for reliability, while generally good, again placed the Good Teaching scale at the top among those in the CEQ. The Cronbach alpha for the Good Teaching scale was 0.87; for the Clear Goals scale, 0.80; Appropriate Assessment was 0.77; and Emphasis on Independence was 0.71 (Ramsden, 1991).

To further ensure a valid measurement of student satisfaction in our instrument, the questions from the CEQ were supplemented with 4 additional satisfaction questions as proposed in the Course Experience Quality and Satisfaction (CEQS) Model. The CEQS model, developed to study the use of the CEQ as a measure of satisfaction, introduces four questions focused solely on satisfaction. These four questions, like the CEQ, use a 5-item Likert scale ranging from Agree

to Disagree (Grace et al., 2012). The study of the CEQS model documented both the validity and the reliability of the CEQ in combination with the satisfaction measures. The authors documented construct reliability at above 0.70 for each scale with actual values ranging from 0.83 to 0.94. In addition, convergent validity was documented with factor loadings greater than 1.96, an average variance extracted (AVE) above .50 and significant construct reliabilities. Discriminant validity was confirmed as well (Grace et al., 2012).

Procedure

The resulting 52-item instrument was created using a web-based survey tool and tested with a representative respondent before being deployed. The recruiting process began, as described above, approximately two weeks before the end of the semester. Students who received information about the study and wished to respond could use a link provided to access the online survey. When beginning the survey, students were provided with a screen of text explaining the purpose of the study, the anticipated time to complete the survey, and information confirming the confidentiality of their responses. This initial page was followed the instructions standard to the CEQ in which students were asked to consider the course being evaluated in its entirety.

The survey questions were then spread across four pages. The first two included the questions related to demographics while the last two pages included the CEQ and Satisfaction questions. As students finished, the results were automatically captured for export and further analysis. In preparation for analysis, incomplete questionnaires were eliminated, as were those in which the students reported having not used web conferencing in their online courses.

Results

Student satisfaction scores as measured by the mean of the one satisfaction item on the Course Experience Questionnaire (CEQ) and the four additional satisfaction items presented in the Course Experience Quality and Satisfaction Model (CEQS) did not vary with the percentage of live online class meetings a student attended (r =.141). Likewise, there was no correlation of statistical significance between scores on the other CEQ scales and percentage of meetings attended.

Our calculation did find, however, correlations between the percentage of recordings watched by a student and scores on several scales of the CEQ. In each case, the mean of all items within a scale were averaged and then correlated with the percentage of recordings reported to have been watched. Again, for the Overall Satisfaction scale, we combined the original CEQ item with those from the CEQS. As a result, the data revealed correlations between number of recordings watched and scores on the Overall Satisfaction (OS) items ($r(10) = .683$, $p < .05$), the Good Teaching (GT) scale ($r(10) = .68$, $p < .05$), and the Generic Skills (GS) ($r(10) = .759$, $p < .01$) scale. Given that the CEQS study by Grace et al. (2012) found a relationship between Overall Satisfaction and scores on the Good Teaching and Generic Skills scales, the fact that we found correlations on these three scales is not unexpected. This same research though would have caused us to also anticipate a correlation on the Clear Goals scale.

In further analysis of the data, we found no correlation between the percentage of meetings attended and percentage of recordings watched. We also found no correlation between the numbers of hours of paid work each week and attendance or satisfaction scores. With our small sample size, the size of our subset groups, such as number of children, educational attainment, or experience with online learning, was too small to justify additional analysis.

Discussion

For this study we hypothesized a relationship between satisfaction and synchronous class meeting attendance, which our results did not support. However, given the very small sample size of 12, any correlations found would not have had any practical significance. We did find a positive correlation between the percentage of recordings watched and student satisfaction as reported above. Again, though we did calculate a correlation statistically, there is no practical significance due to our small sample size.

Previous Research. There are several studies that provide research data indicating student satisfaction with synchronous interaction, although few highlight the correlation between real-time web conferencing and student satisfaction with their online courses. Many studies focus on student-teacher interaction, but not specifically synchronous web conferencing. The studies we reviewed that focused on interaction in an online environment indicated that student-teacher interaction is of great value for both the student and teacher (Grant & Cheon, 2007; Jung, Choi, Lim & Leem, 2002; Moore, 1989). Further research found only a limited number of empirical studies that focused on synchronous real-time videoconferencing with remote learners. A recent study by Stewart, Harlow & DeBacco (2011) indicated that both the students and instructor agreed that videoconferencing technology provides a means for a rich learning experience. On the other hand there have also been negative results in some studies. Freeman (1998) found that technical problems slowed down the experience. Interaction also seemed to be harder for some students because it was more difficult for them to initiate interaction during the session (Freeman, 1998).

Further empirical evidence is needed to corroborate the findings between synchronous web conferencing and satisfaction in online courses. We feel that more studies like this one,

though with larger sample sizes, will provide additional results that will contribute to the evidence. Our research found little correlation between student satisfaction and attendance of the synchronous video sessions. We did find some correlation, however, between satisfaction and watching the archived sessions. Unfortunately, our research did not obtain enough data to justify the same type of satisfaction or dissatisfaction results as previous studies have shown.

Limitations. This study has several limitations. First, the sample was not randomly selected. The sample, instead, was purposefully chosen based on our prior knowledge about the participants. Although the survey was submitted to an online graduate course of 20 and several social online networking communities that focused specifically on distance learning, our resulting sample size small, containing only 12 participants. The survey was available for a short period of time and this limited the promotion period to encourage participation.

Other limitations include variability in other factors that may have influenced satisfaction rates. For instance, respondents were from several courses with different instructors using different teaching methodologies. The way in which each instructor used the web conference sessions and approached the course as a whole may have influenced the results. Furthermore, variances in the types of web conferencing tools used during the synchronous sessions may also have played a role in sample satisfaction responses. We also did not specifically ask about technical issues with the web conferencing equipment which may have also played a role in student satisfaction.

Conclusion

In conclusion, the results of this study showed that viewing recordings of synchronous class meetings in an online course may be positively correlated with student satisfaction. Again, given the small sample size, these results are mostly just interesting and suggest that there may

be a relationship worth further exploration. At the same time, the lack of correlation between attendance and satisfaction in this small study, is not definitive either. We believe an additional study with a much larger sample size would produce a much clearer picture of the correlation and that the impact of synchronous web conferencing in online learning deserves additional investigation.

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SPSS Data

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Frequencies

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Age

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	25 - 34	3	25.0	25.0	25.0
	35 - 44	5	41.7	41.7	66.7
	45 -54	3	25.0	25.0	91.7
	55 - 64	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

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Statistics

Gender

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Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	7	58.3	58.3	58.3
	Male	5	41.7	41.7	100.0
	Total	12	100.0	100.0	

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Statistics

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Level of Educational Attainment

	Frequency	Percent	Valid Percent	Cumulative Percent

	Bachelor's Degree	2	16.7	16.7	16.7
Valid	Master's Degree	10	83.3	83.3	100.0
	Total	12	100.0	100.0	

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Degree Being Pursued

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Master's Degree	2	16.7	16.7	16.7
	Ph.D.	8	66.7	66.7	83.3
	Graduate or Professional Degree	1	8.3	8.3	91.7
	None; Professional Development	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

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Children in the Home

		Age 6 and under	Over age 6
N	Valid	12	12
	Missing	0	0
Mean		.50	1.50
Median		.00	2.00
Mode		0	0[a]
Std. Deviation		1.000	1.243
Range		3	3

Minimum	0	0
Maximum	3	3

a. Multiple modes exist. The smallest value is shown

Frequency Table

Children in Home Age 6 and Under

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	9	75.0	75.0	75.0
	1	1	8.3	8.3	83.3
	2	1	8.3	8.3	91.7
	3	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

Children in Home Over Age 6

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	33.3	33.3	33.3
	1	1	8.3	8.3	41.7
	2	4	33.3	33.3	75.0
	3	3	25.0	25.0	100.0
	Total	12	100.0	100.0	

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Frequencies

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Hours of Paid Work Per Week

Paid_Work_Per_Week

N	Valid	12

Missing	0
Mean	45.42
Median	40.00
Mode	40
Std. Deviation	18.397
Range	60
Minimum	15
Maximum	75

Hours of Paid Work Per Week

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	15	1	8.3	8.3	8.3
	20	1	8.3	8.3	16.7
	40	5	41.7	41.7	58.3
	50	2	16.7	16.7	75.0
	60	1	8.3	8.3	83.3
	75	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

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Frequencies

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Current Home

		State	Country
N	Valid	12	12
	Missing	0	0

Frequency Table

Current Home State

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Texas	9	75.0	75.0	75.0
	Arizona	1	8.3	8.3	83.3

	Wyoming	1	8.3	8.3	91.7
	Hangzhou	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

Current Home Country

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	USA	11	91.7	91.7	91.7
	China	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Number_online_courses Number_of_courses_w_web_conf
  /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:06:38
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on all cases with valid data. FREQUENCIES VARIABLES=Number_online_courses Number_of_courses_w_web_conf /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Online Course Experience

		Number of Online Courses	Number of Courses with Web Conferencing
N	Valid	12	12
	Missing	0	0
Mean		5.50	4.50
Median		4.00	4.00
Mode		4	4
Std. Deviation		3.705	4.232
Range		12	14
Minimum		2	0
Maximum		14	14

Frequency Table

Number of Online Courses Completed in Last Twelve Months

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2	1	8.3	8.3	8.3
	3	2	16.7	16.7	25.0
	4	5	41.7	41.7	66.7
	6	2	16.7	16.7	83.3
	12	1	8.3	8.3	91.7
	14	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

Number of Online Courses with Web Conferencing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	8.3	8.3	8.3
	1	2	16.7	16.7	25.0
	3	2	16.7	16.7	41.7
	4	5	41.7	41.7	83.3
	12	1	8.3	8.3	91.7
	14	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Freq_of_web_conf_use
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created	09-DEC-2012 23:12:20

Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Freq_of_web_conf_use /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

Freq_of_web_conf_use

N	Valid	12
	Missing	0

Frequency of Use of Web Conferencing Software

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Daily	3	25.0	25.0	25.0
	Weekly	3	25.0	25.0	50.0

	Once or twice a month	4	33.3	33.3	83.3
	Two or three times a year	1	8.3	8.3	91.7
	Not at all	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Comfort_w_web_conf
  /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:22:56
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.

Syntax		FREQUENCIES VARIABLES=Comfort_w_web_conf /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

Comfort_w_web_conf

N	Valid	12
	Missing	0
Mean		4.42
Median		5.00
Mode		5
Std. Deviation		.900
Range		2
Minimum		3
Maximum		5

Comfort with Web Conferencing Tools

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	3	3	25.0	25.0	25.0
	4	1	8.3	8.3	33.3
	5 - very comfortable	8	66.7	66.7	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Name_of_course_eval
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:27:23
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Name_of_course_eval /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

Name_of_course_eval

N	Valid	12
	Missing	0

Name of Course

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	INST 5333	1	8.3	8.3	8.3
	CECS 6511	5	41.7	41.7	50.0
	CECS 6010	3	25.0	25.0	75.0
	Grant Writing	1	8.3	8.3	83.3
	HRM	1	8.3	8.3	91.7
	Texa History	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Course_LMS Course_web_conf_tool
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:29:07
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Course_LMS Course_web_conf_tool /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

		Course LMS	Course Web Conferencing Tool
N	Valid	12	12
	Missing	0	0

Frequency Table

Course Learning Management System

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Blackboard	7	58.3	58.3	58.3
	Moodle	1	8.3	8.3	66.7
	Sakai	1	8.3	8.3	75.0
	Schoology	3	25.0	25.0	100.0
	Total	12	100.0	100.0	

Course Web Conferencing Software

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Blackboard Collaborate	1	8.3	8.3	8.3
	Adobe Connect	8	66.7	66.7	75.0
	Skype	1	8.3	8.3	83.3
	Not sure	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Aware_of_online_class_meeting Freq_of_class_meeting
Time_of_meeting_weekday Time_of_meeting_weekend Recordings_access
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:40:17
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.

Syntax		FREQUENCIES VARIABLES=Aware_of_online_class_meeting Freq_of_class_meeting Time_of_meeting_weekday Time_of_meeting_weekend Recordings_access /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

		Aware_of_online_class_meeting	Freq_of_class_meeting	Time_of_meeting_weekday	Time_of_meeting_weekend	Recordings_ss
N	Valid	12	12	12	2	
	Missing	0	0	0	10	

Frequency Table

Aware of Online Class Meetings Before Course

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	58.3	58.3	58.3
	No	3	25.0	25.0	83.3
	I don't remember	1	8.3	8.3	91.7
	Yes, didn't understand how they would work	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

Frequency of Online Class Meetings

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Once a week	8	66.7	66.7	66.7
	Once a month	2	16.7	16.7	83.3
	Sporadically or as needed	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

Meeting Times on Weekdays

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	8:30 p.m.	6	50.0	50.0	50.0
	7:08 p.m.	1	8.3	8.3	58.3
	6:00 p.m.	1	8.3	8.3	66.7
	5:00 p.m.	1	8.3	8.3	75.0
	10:30 a.m.	1	8.3	8.3	83.3
	7:30 p.m.	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

Meeting Times on Weekends

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	7:08 p.m.	1	8.3	50.0	50.0
	10:00 a.m.	1	8.3	50.0	100.0
	Total	2	16.7	100.0	
Missing	System	10	83.3		
Total		12	100.0		

Access to Meeting Recordings

	Frequency	Percent	Valid Percent	Cumulative Percent

	Yes	11	91.7	91.7	91.7
Valid	Not sure	1	8.3	8.3	100.0
	Total	12	100.0	100.0	

```
FREQUENCIES VARIABLES=Percent_meetings_attended Percent_recordings_watched
  /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		09-DEC-2012 23:51:29
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.

Syntax		FREQUENCIES VARIABLES=Percent_meetings_attended Percent_recordings_watched /STATISTICS=STDDEV RANGE MINIMUM MAXIMUM MEAN MEDIAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Statistics

		Percent of Meetings Attended	Percent of Recordings Watched
N	Valid	12	12
	Missing	0	0
Mean		83.33	29.17
Median		100.00	25.00
Mode		100	25
Std. Deviation		24.618	35.086
Range		75	100
Minimum		25	0
Maximum		100	100

Frequency Table

Percent of Online Class Meetings Attended

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	25	1	8.3	8.3	8.3
	50	1	8.3	8.3	16.7
	75	3	25.0	25.0	41.7
	100	7	58.3	58.3	100.0
	Total	12	100.0	100.0	

Percent of Online Class Recordings Watched

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	4	33.3	33.3	33.3
	25	6	50.0	50.0	83.3
	100	2	16.7	16.7	100.0
	Total	12	100.0	100.0	

```
DESCRIPTIVES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12
GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R
OS37 OS38 OS39 OS40 OS41
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Notes

Output Created		10-DEC-2012 00:01:30
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>

Missing Value Handling	N of Rows in Working Data File	12
	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12 GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R OS37 OS38 OS39 OS40 OS41 /STATISTICS=MEAN STDDEV MIN MAX.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

FREQUENCIES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12 GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R OS37 OS38 OS39 OS40 OS41
/FORMAT=NOTABLE
/STATISTICS=STDDEV RANGE MEAN MEDIAN MODE
/ORDER=ANALYSIS.

Notes

Output Created		10-DEC-2012 00:03:51
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12 GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R OS37 OS38 OS39 OS40 OS41 /FORMAT=NOTABLE /STATISTICS=STDDEV RANGE MEAN MEDIAN MODE /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

```
FREQUENCIES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12
GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R
OS37 OS38 OS39 OS40 OS41
  /FORMAT=NOTABLE
  /STATISTICS=STDDEV MEAN MEDIAN
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		10-DEC-2012 00:05:07
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=CG1 GS2 IN3 GT4 AW5R GS6 CG8 GT9 AA10R GS11 GS12 GS13 AA17R CG18R AW19 GT20 GT22 GT23 GT25 AA26R AW27R GS28 CG35 AW36R OS37 OS38 OS39 OS40 OS41 /FORMAT=NOTABLE /STATISTICS=STDDEV MEAN MEDIAN /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

		CG1	GS2	IN3	GT4	AW5R	GS6	CG8
N	Valid	12	12	11	12	12	11	1
	Missing	0	0	1	0	0	1	
Mean		29.17	20.83	-13.64	8.33	.00	22.73	33.3
Median		50.00	50.00	-50.00	.00	.00	50.00	50.0
Std. Deviation		75.252	65.569	67.420	66.856	79.772	68.424	74.87

Notes

Output Created		10-DEC-2012 00:49:13
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project CEQ Data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=CG1 CG8 CG18R CG35 BY RespondentID /CELLS MEAN COUNT STDDEV.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Notes

Output Created		10-DEC-2012 01:06:46

Comments		
	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project CEQ Data.sav
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=CG1 CG8 CG18R CG35 BY RespondentID /CELLS MEAN COUNT STDDEV.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

```
COMPUTE CG_Mean=MEAN(CG1,CG8,CG18R,CG35).
EXECUTE.
COMPUTE GS_Mean=MEAN(GS2,GS6,GS11,GS12,GS13,GS28).
EXECUTE.
COMPUTE GT_Mean=MEAN(GT4,GT9,GT20,GT22,GT23,GT25).
EXECUTE.
COMPUTE AW_Mean=MEAN(AW5R,AW19,AW27R,AW36R).
EXECUTE.
```

```
COMPUTE AA_Mean=MEAN(AA10R,AA17R,AA26R).
EXECUTE.
COMPUTE OS_Mean=MEAN(OS37,OS38,OS39,OS40,OS41).
EXECUTE.
DESCRIPTIVES VARIABLES=CG_Mean GS_Mean GT_Mean AW_Mean AA_Mean
OS_Mean
  /STATISTICS=MEAN STDDEV RANGE MIN MAX.
```

Notes

Output Created		10-DEC-2012 01:21:13
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project CEQ Data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	All non-missing data are used.
Syntax		DESCRIPTIVES VARIABLES=CG_Mean GS_Mean GT_Mean AW_Mean AA_Mean OS_Mean /STATISTICS=MEAN STDDEV RANGE MIN MAX.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

```
FREQUENCIES VARIABLES=CG_Mean GS_Mean GT_Mean AW_Mean AA_Mean
OS_Mean
  /FORMAT=NOTABLE
  /STATISTICS=STDDEV MEAN MEDIAN
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		10-DEC-2012 01:26:15
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project CEQ Data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=CG_Mean GS_Mean GT_Mean AW_Mean AA_Mean OS_Mean /FORMAT=NOTABLE /STATISTICS=STDDEV MEAN MEDIAN /ORDER=ANALYSIS.

Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project CEQ Data.sav

Statistics

		CG_Mean	GS_Mean	GT_Mean	AW_Mean	AA_Mean	OS_Mean
N	Valid	12	12	12	12	12	
	Missing	0	0	0	0	0	
Mean		25.0000	17.7778	6.9444	-10.4167	45.8333	-.83
Median		43.7500	29.1667	20.8333	.0000	66.6667	-10.00
Std. Deviation		71.70806	46.32632	62.14123	51.35475	53.71314	67.481

```
DATASET ACTIVATE DataSet2.
SAVE OUTFILE='C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research '+
    'project\Research Project CEQ Data.sav'
 /COMPRESSED.
COMPUTE OS_CEQS_Mean=MEAN(OS38,OS39,OS40,OS41).
EXECUTE.

SAVE OUTFILE='C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research '+
    'project\Research Project Data for correlation.sav'
  /COMPRESSED.
CORRELATIONS
  /VARIABLES=OS37 OS_CEQSonly_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Notes

Output Created	10-DEC-2012 01:42:36
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=OS37 OS_CEQSonly_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Notes

Output Created		10-DEC-2012 01:44:19
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=OS37 OS_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

```
GET
  FILE='C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511
Research data.sav'.
DATASET NAME DataSet4 WINDOW=FRONT.
DATASET ACTIVATE DataSet2.
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH OS_Mean
  /MISSING=LISTWISE.
```

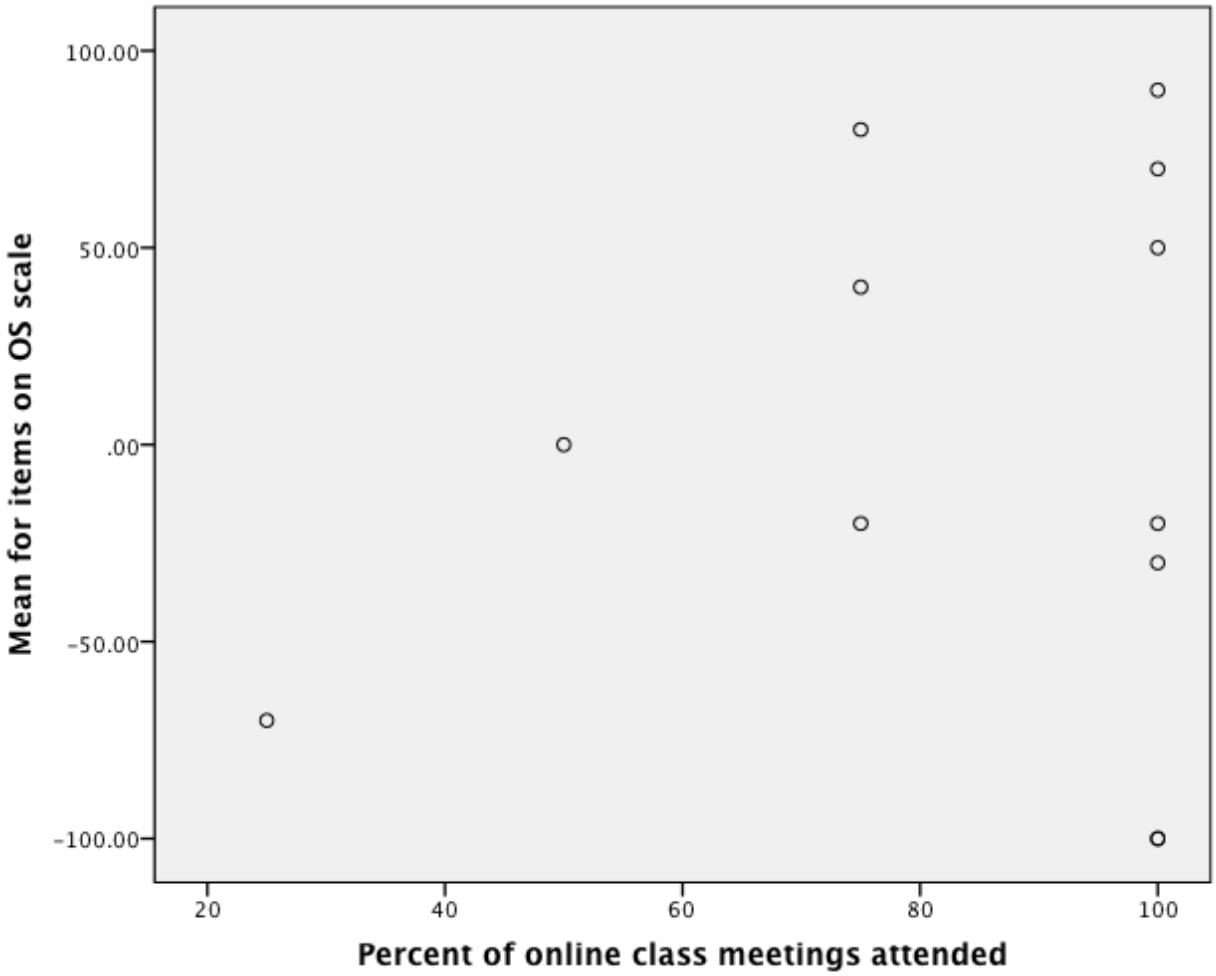
Graph

Notes

Output Created	10-DEC-2012 01:48:16
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH OS_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.33
	Elapsed Time	00:00:00.34

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=OS_Mean Percent_meetings_attended
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created	10-DEC-2012 01:48:51
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=OS_Mean Percent_meetings_attended /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.04

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Mean for items on OS scale	Percent of online class meetings attended
Mean for items on OS scale	Pearson Correlation	1	.141
	Sig. (2-tailed)		.661
	N	12	12

Percent of online class meetings attended	Pearson Correlation	.141	1
	Sig. (2-tailed)	.661	
	N	12	12

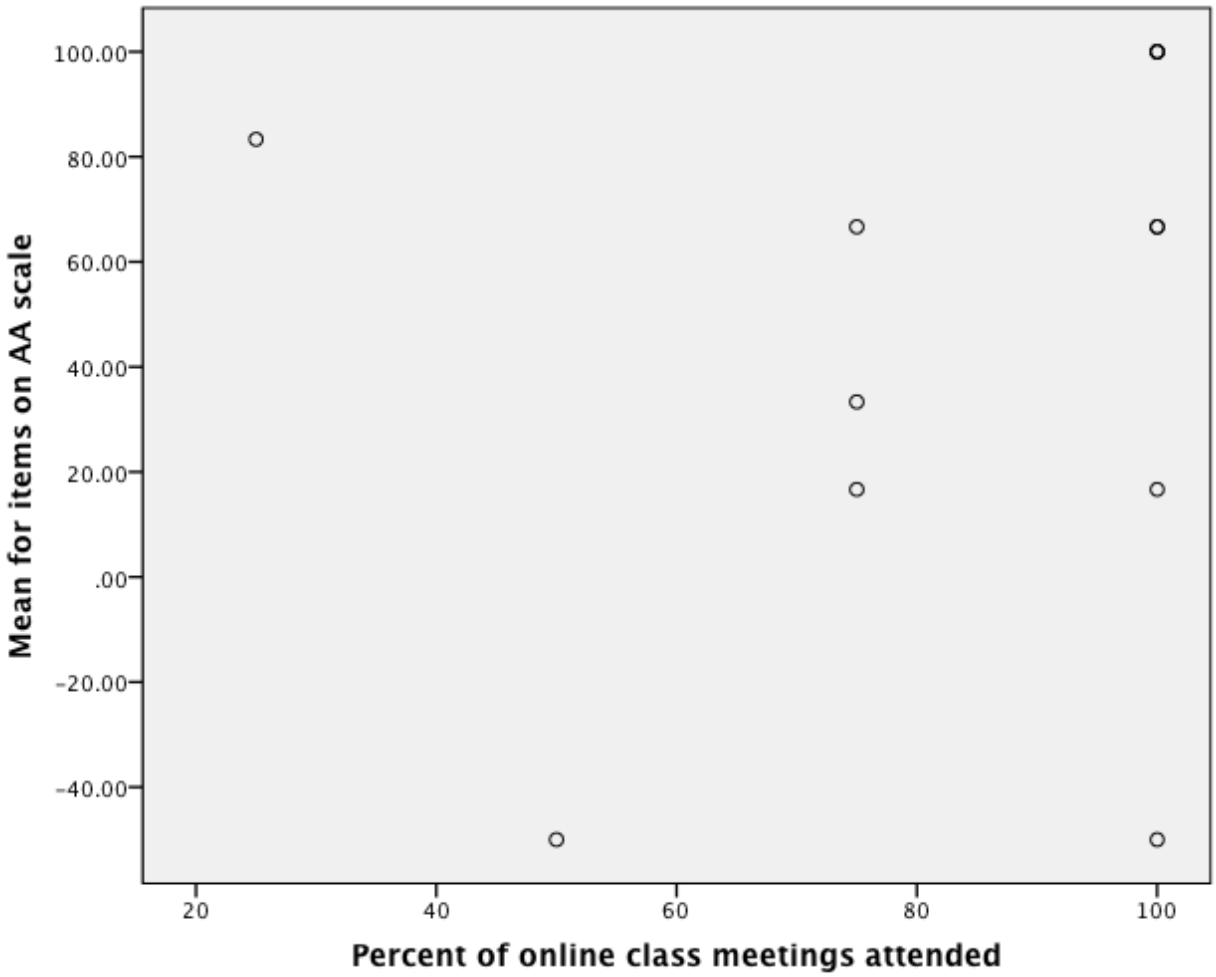
```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH AA_Mean
  /MISSING=LISTWISE.
```

Graph

Notes

Output Created		10-DEC-2012 11:34:05
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH AA_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.21

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended AA_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:34:33
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended AA_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

	Percent of online class meetings attended	Mean for items on AA scale

Percent of online class meetings attended	Pearson Correlation	1	.172
	Sig. (2-tailed)		.593
	N	12	12
Mean for items on AA scale	Pearson Correlation	.172	1
	Sig. (2-tailed)	.593	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH AW_Mean
  /MISSING=LISTWISE.
```

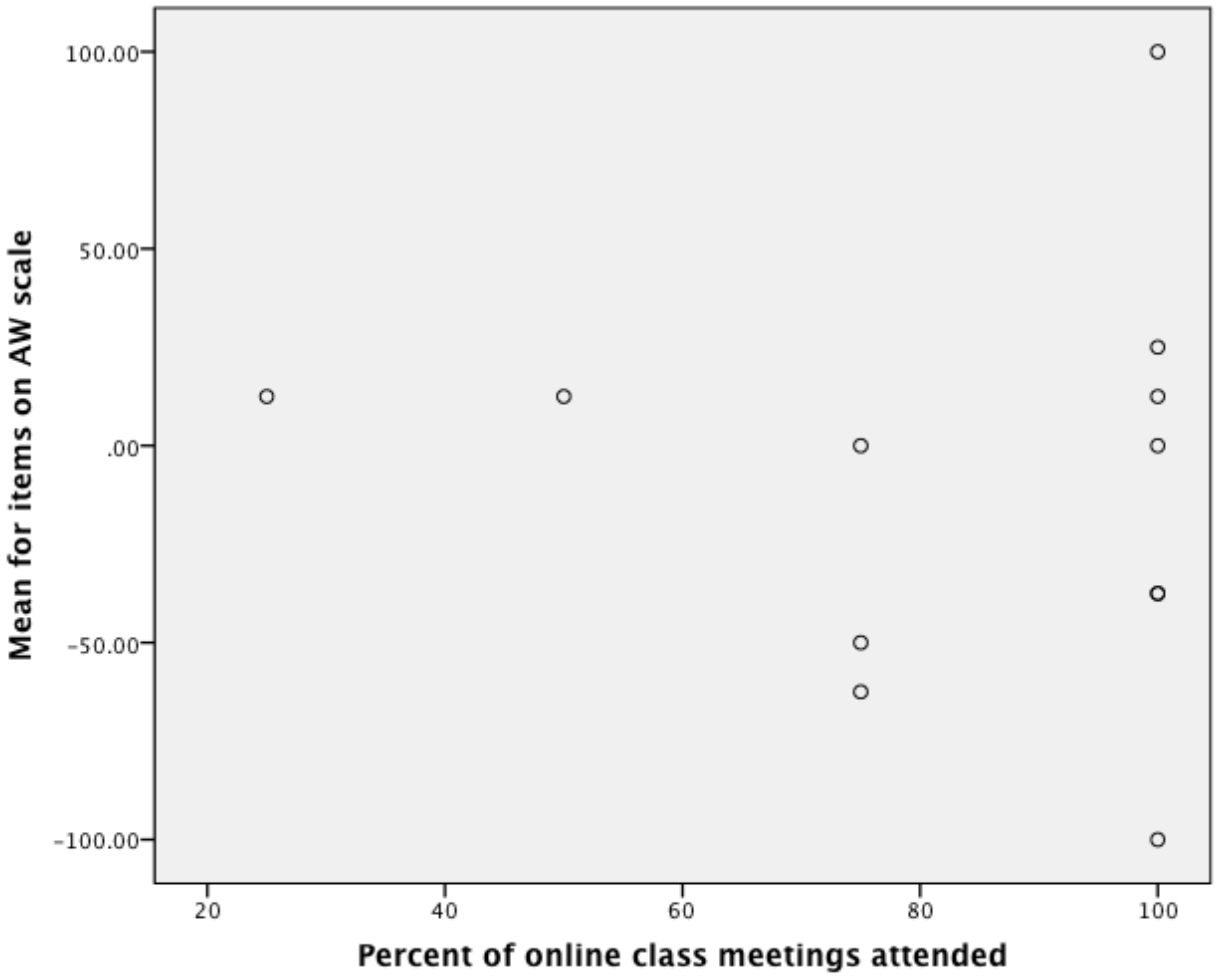
Graph

Notes

Output Created		10-DEC-2012 11:35:06
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH AW_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.17

Elapsed Time	00:00:00.17

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended AW_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:35:46
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended AW_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meetings attended	Mean for items on AW scale
Percent of online class meetings attended	Pearson Correlation	1	-.060
	Sig. (2-tailed)		.853
	N	12	12
Mean for items on AW scale	Pearson Correlation	-.060	1
	Sig. (2-tailed)	.853	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH GT_Mean
  /MISSING=LISTWISE.
```

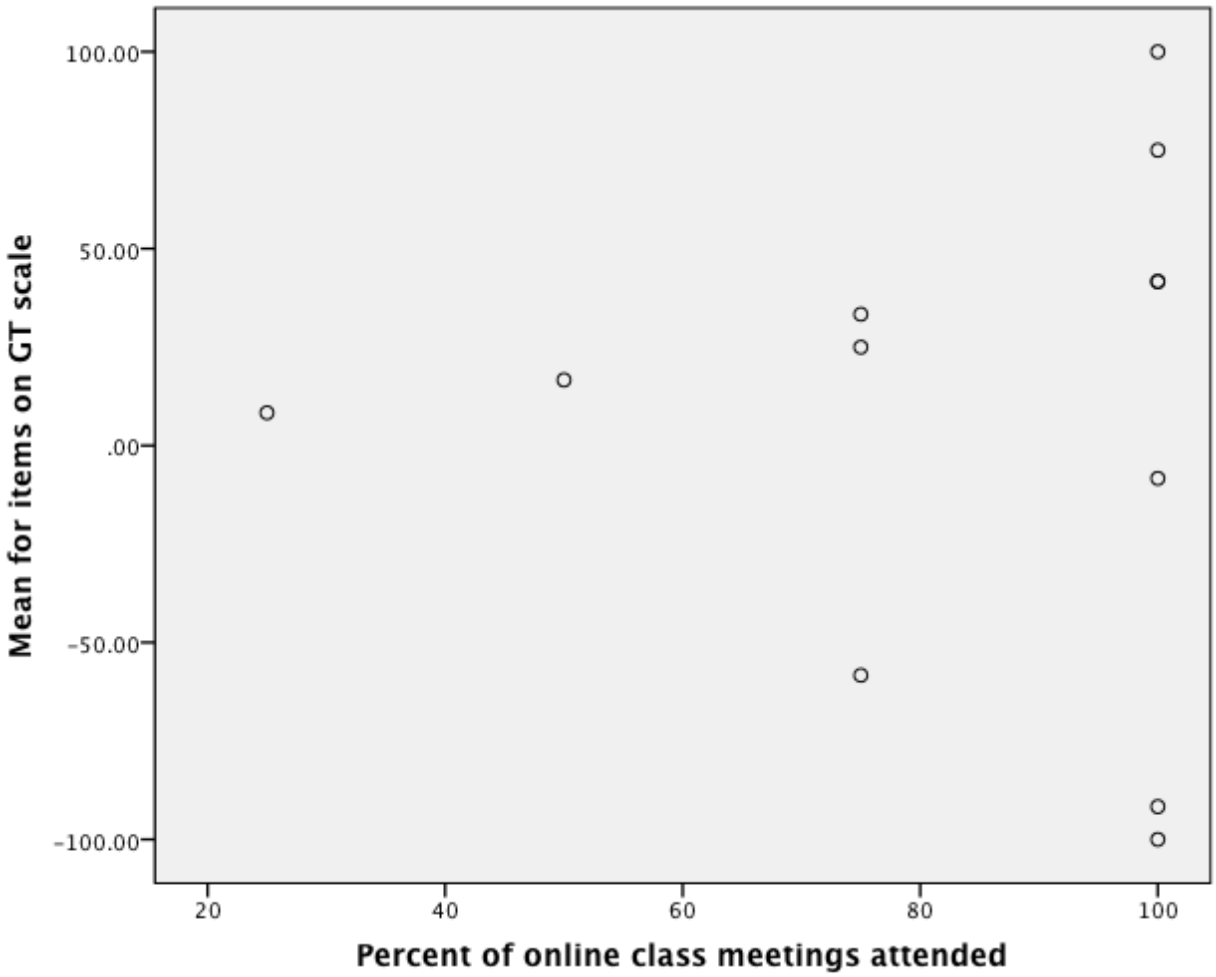
Graph

Notes

Output Created		10-DEC-2012 11:36:19
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14

Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH GT_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.16

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended GT_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:36:43
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended GT_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meetings attended	Mean for items on GT scale
Percent of online class meetings attended	Pearson Correlation	1	-.004
	Sig. (2-tailed)		.990
	N	12	12
Mean for items on GT scale	Pearson Correlation	-.004	1
	Sig. (2-tailed)	.990	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH IN3
  /MISSING=LISTWISE.
```

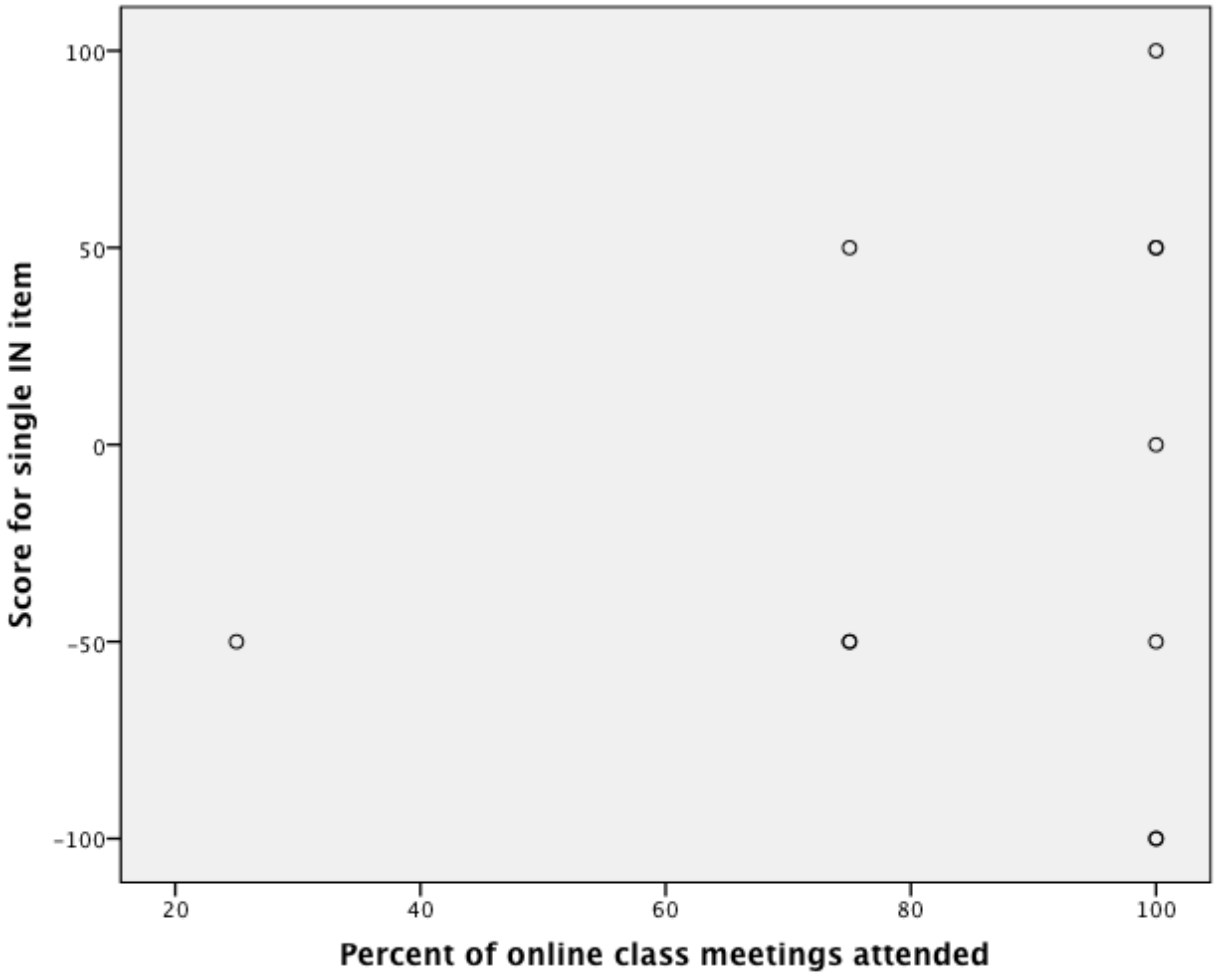
Graph

Notes

Output Created		10-DEC-2012 11:37:49
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH IN3 /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.17

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended IN3
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:38:09
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.

Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended IN3 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meetings attended	Score for single IN item
Percent of online class meetings attended	Pearson Correlation	1	.188
	Sig. (2-tailed)		.581
	N	12	11
Score for single IN item	Pearson Correlation	.188	1
	Sig. (2-tailed)	.581	
	N	11	11

GRAPH
/SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH GS_Mean
/MISSING=LISTWISE.

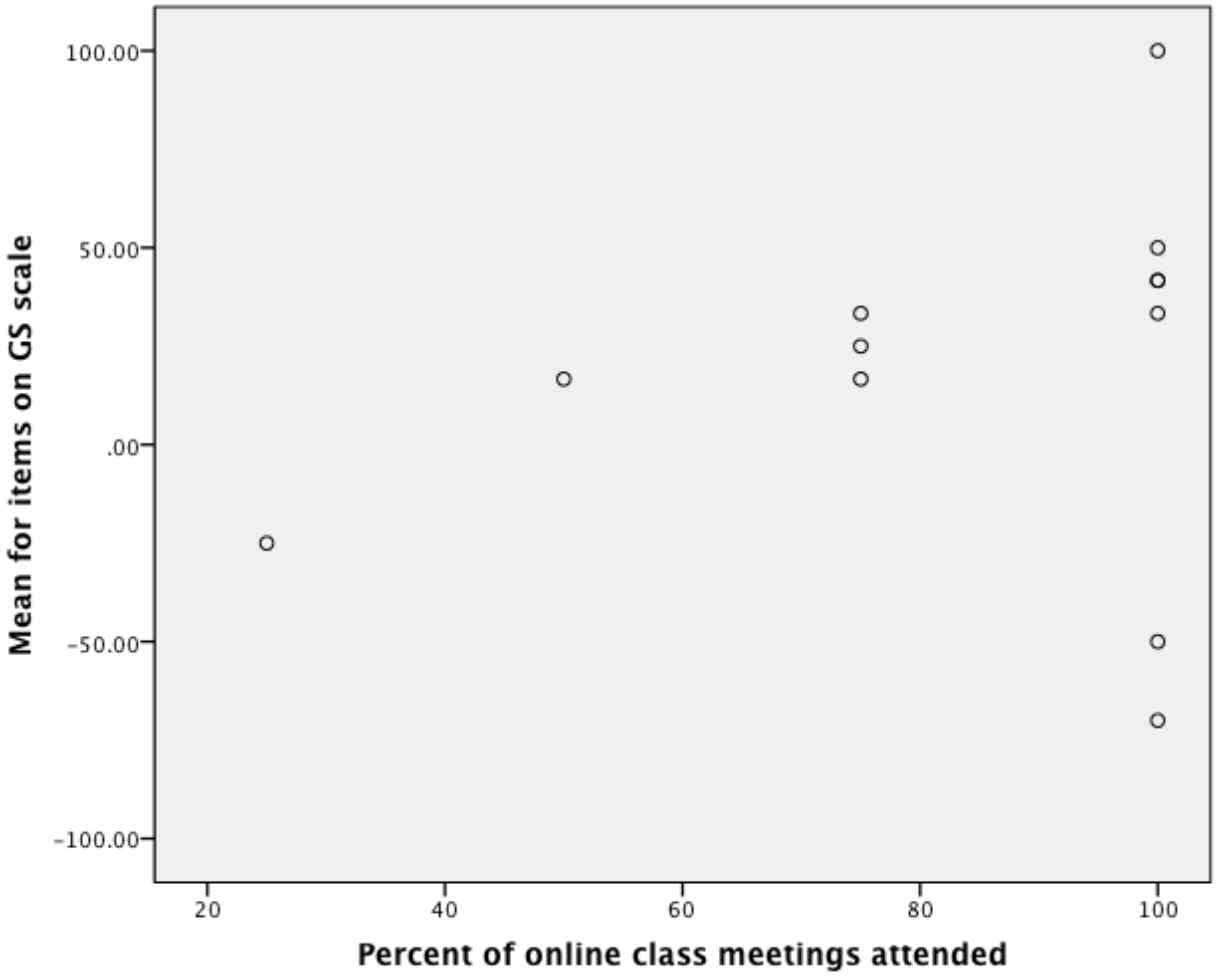
Graph

Notes

Output Created	10-DEC-2012 11:38:44

Comments		
	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH GS_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.18

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended GS_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created	10-DEC-2012 11:39:03
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended GS_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.02

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meetings attended	Mean for items on GS scale
Percent of online class meetings attended	Pearson Correlation	1	.217
	Sig. (2-tailed)		.498
	N	12	12

	Pearson Correlation	.217	1
Mean for items on GS scale	Sig. (2-tailed)	.498	
	N	12	12

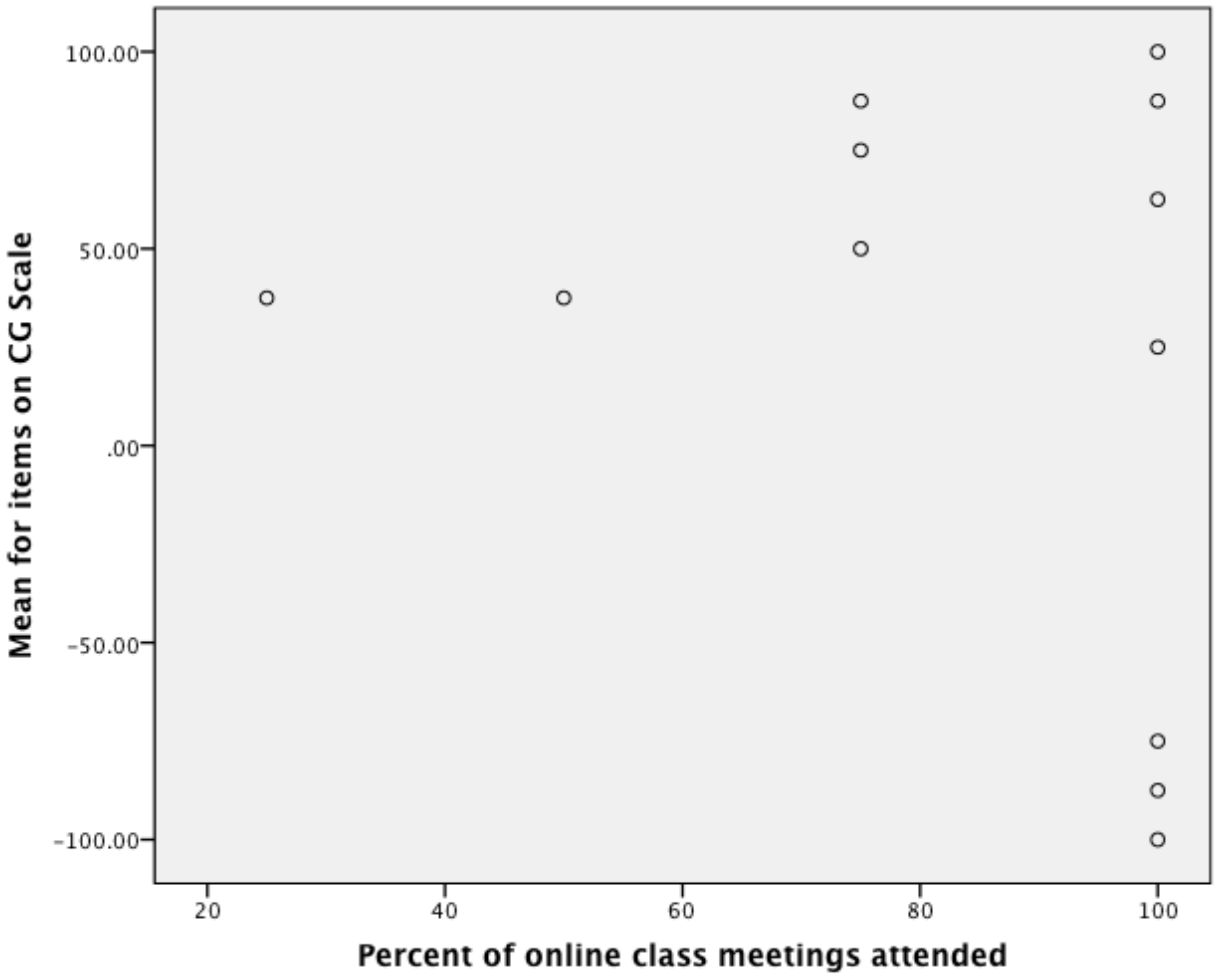
```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH CG_Mean
  /MISSING=LISTWISE.
```

Graph

Notes

Output Created		10-DEC-2012 11:39:28
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH CG_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.19

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended CG_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:40:41
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended CG_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

	Percent of online class meetings attended	Mean for items on CG Scale

Percent of online class meetings attended	Pearson Correlation	1	-.257
	Sig. (2-tailed)		.419
	N	12	12
Mean for items on CG Scale	Pearson Correlation	-.257	1
	Sig. (2-tailed)	.419	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH CG_Mean
  /MISSING=LISTWISE.
```

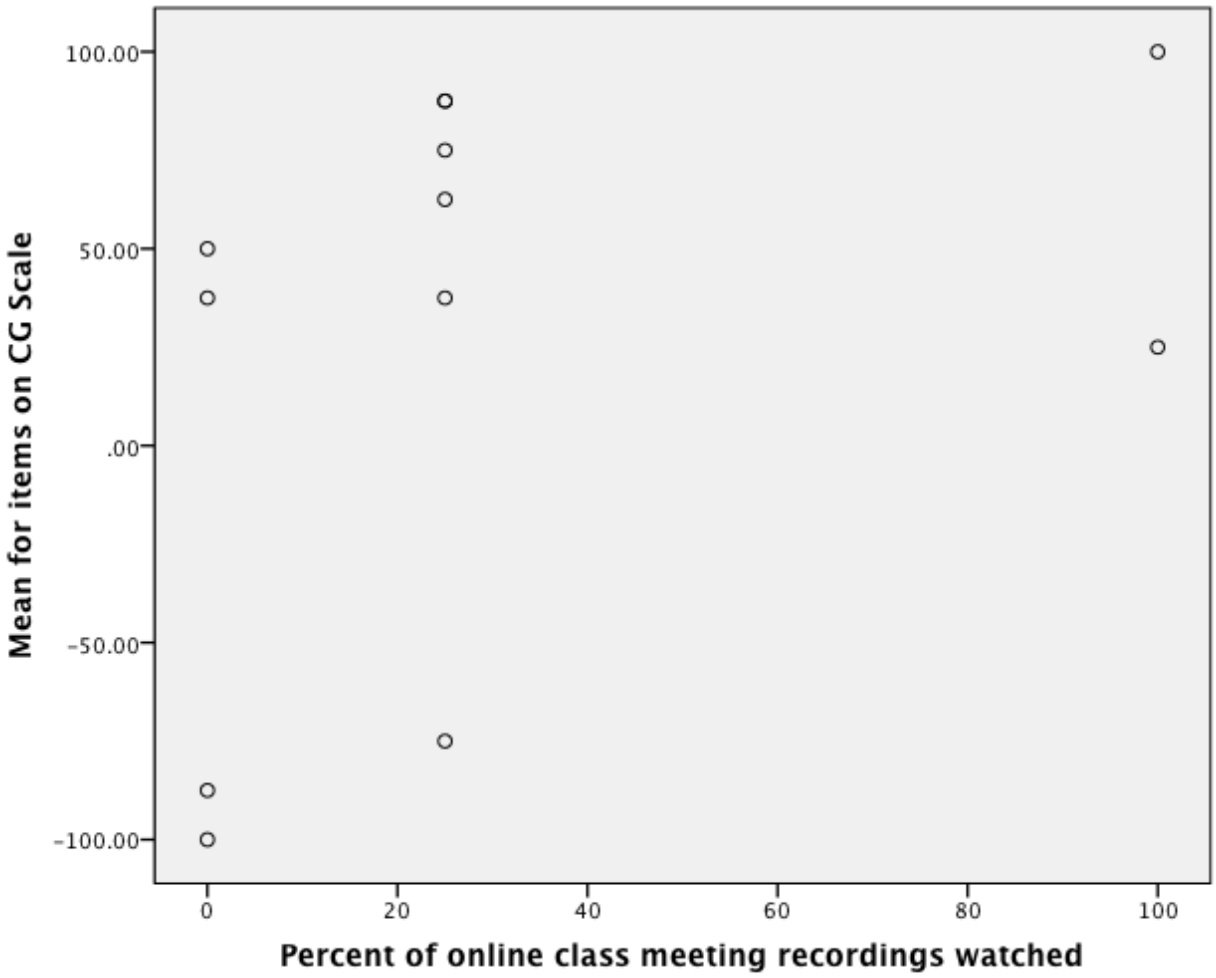
Graph

Notes

Output Created		10-DEC-2012 11:41:28
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH CG_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.19

Elapsed Time	00:00:00.18

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=CG_Mean Percent_recordings_watched
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:41:55
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=CG_Mean Percent_recordings_watched /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Mean for items on CG Scale	Percent of online class meeting recordings watched
Mean for items on CG Scale	Pearson Correlation	1	.384
	Sig. (2-tailed)		.218
	N	12	12
Percent of online class meeting recordings watched	Pearson Correlation	.384	1
	Sig. (2-tailed)	.218	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH GS_Mean
  /MISSING=LISTWISE.
```

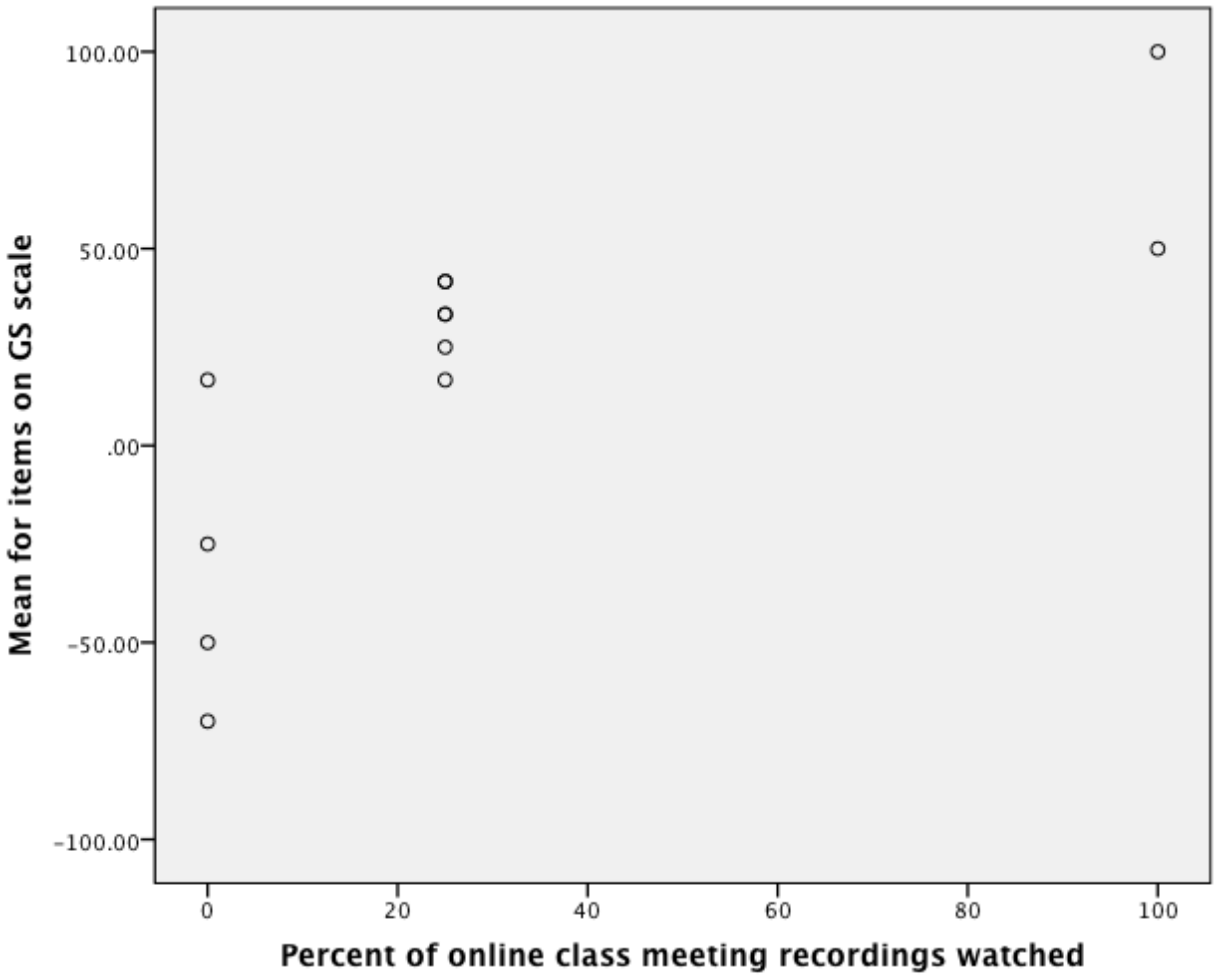
Graph

Notes

Output Created		10-DEC-2012 11:42:25
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14

Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_recordings_watched WITH GS_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched GS_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:42:44
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched GS_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Mean for items on GS scale
Percent of online class meeting recordings watched	Pearson Correlation	1	.759**
	Sig. (2-tailed)		.004
	N	12	12
Mean for items on GS scale	Pearson Correlation	.759**	1
	Sig. (2-tailed)	.004	
	N	12	12

**. Correlation is significant at the 0.01 level (2-tailed).

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH IN3
  /MISSING=LISTWISE.
```

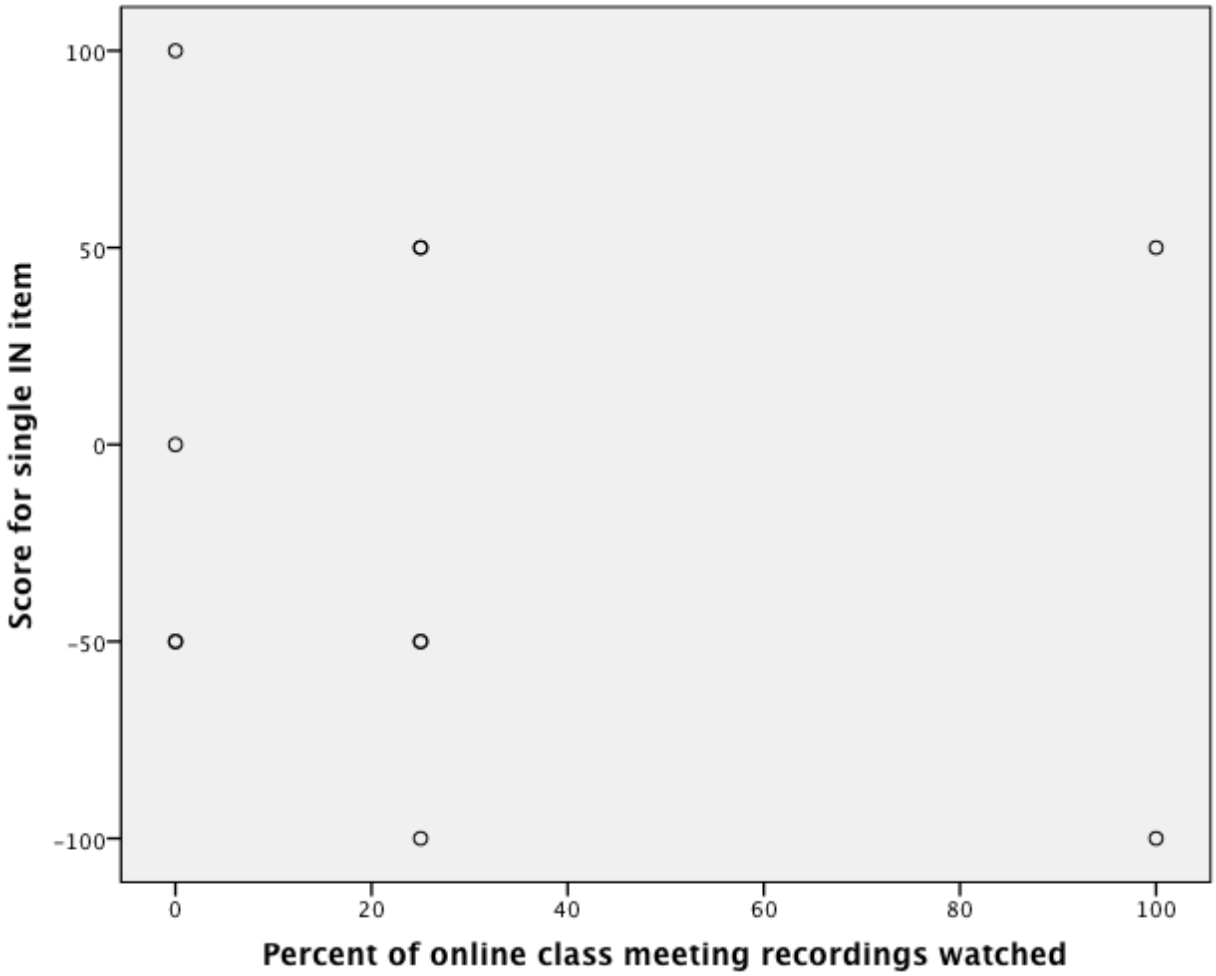
Graph

Notes

Output Created		10-DEC-2012 11:45:26
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2

	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_recordings_watched WITH IN3 /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.17

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched IN3
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created	10-DEC-2012 11:45:46
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched IN3 /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Score for single IN item
Percent of online class meeting recordings watched	Pearson Correlation	1	-.124
	Sig. (2-tailed)		.717

	N	12	11
	Pearson Correlation	-.124	1
Score for single IN item	Sig. (2-tailed)	.717	
	N	11	11

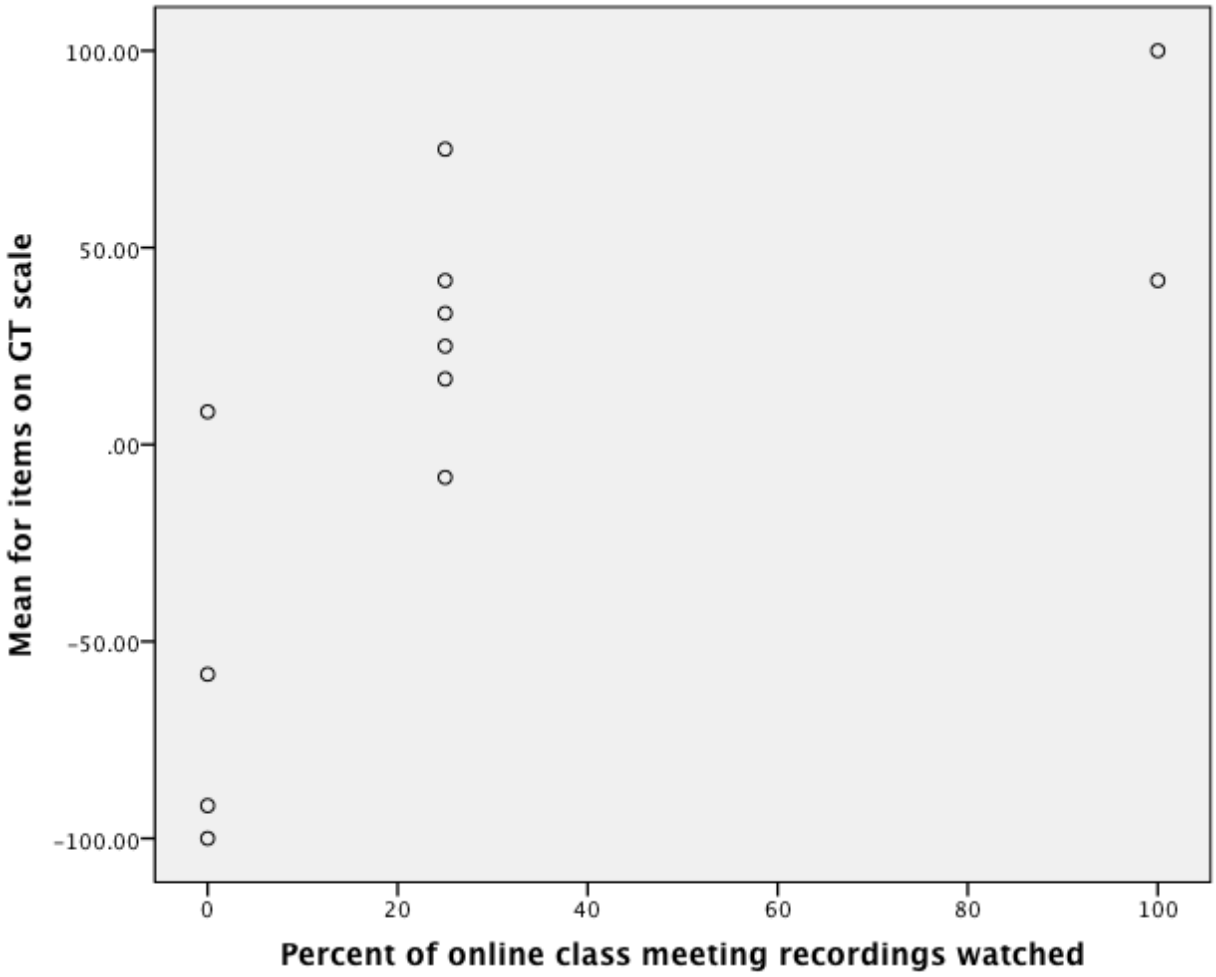
```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH GT_Mean
  /MISSING=LISTWISE.
```

Graph

Notes

Output Created		10-DEC-2012 11:46:12
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH GT_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.19

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched GT_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:46:30
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched GT_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Mean for items on GT scale
Percent of online class meeting recordings watched	Pearson Correlation	1	.680*
	Sig. (2-tailed)		.015
	N	12	12
Mean for items on GT scale	Pearson Correlation	.680*	1
	Sig. (2-tailed)	.015	
	N	12	12

*. Correlation is significant at the 0.05 level (2-tailed).

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH AW_Mean
  /MISSING=LISTWISE.
```

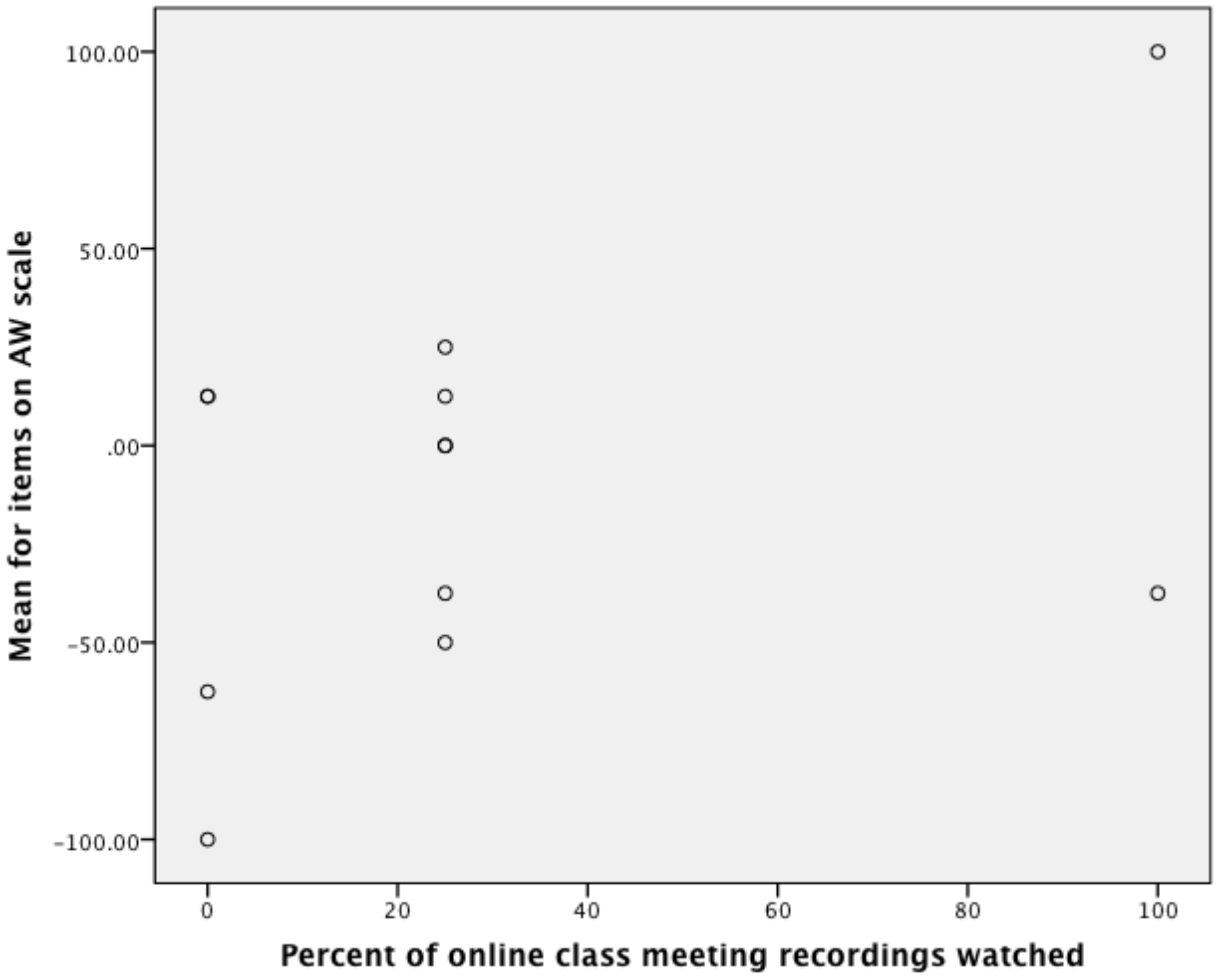
Graph

Notes

Output Created		10-DEC-2012 11:47:17
Comments		
	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14

Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_recordings_watched WITH AW_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.20

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched AW_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:47:45
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched AW_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Mean for items on AW scale
Percent of online class meeting recordings watched	Pearson Correlation	1	.436
	Sig. (2-tailed)		.156
	N	12	12
Mean for items on AW scale	Pearson Correlation	.436	1
	Sig. (2-tailed)	.156	
	N	12	12

```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH AA_Mean
  /MISSING=LISTWISE.
```

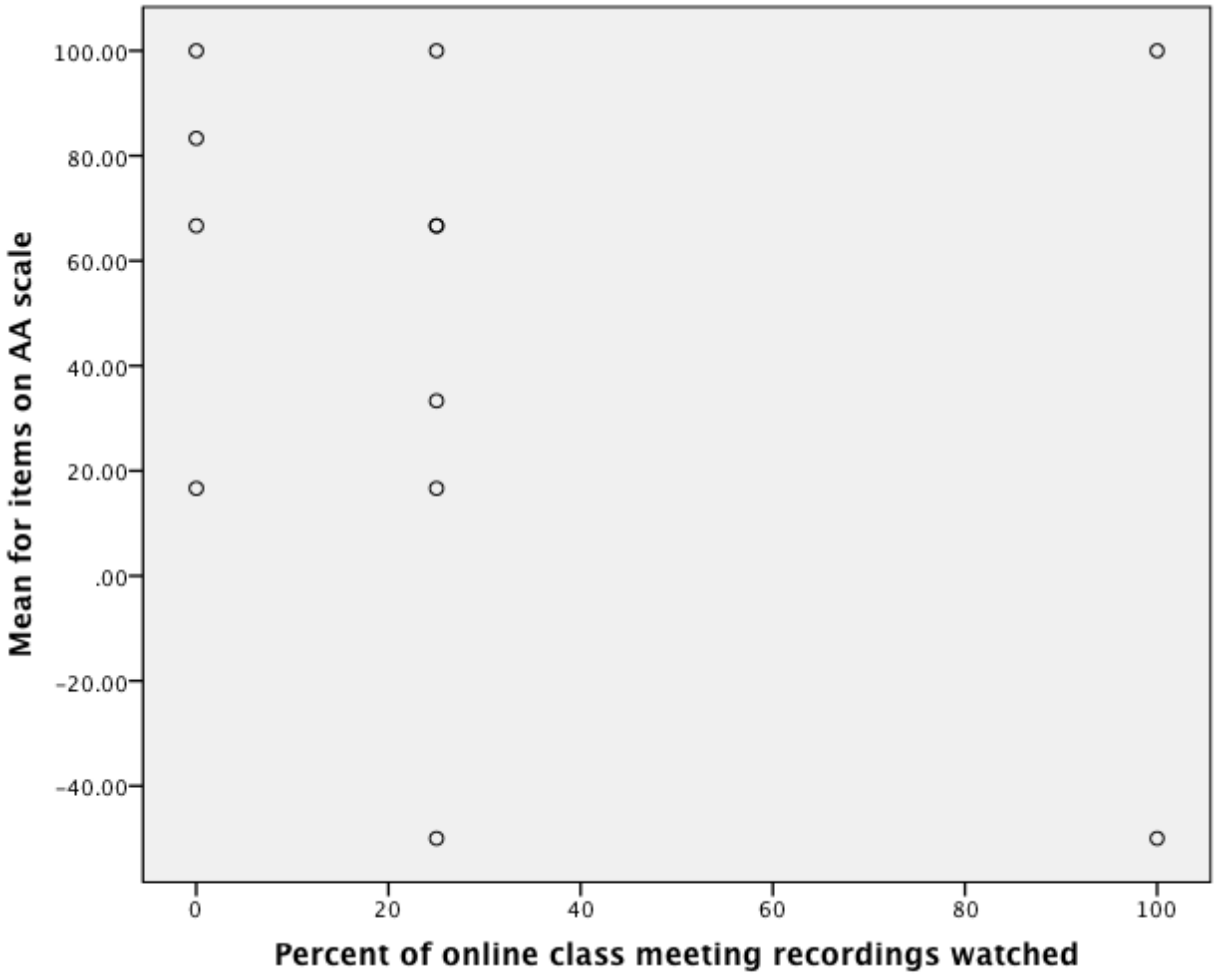
Graph

Notes

Output Created		10-DEC-2012 11:48:07
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_recordings_watched WITH AA_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched AA_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created	10-DEC-2012 11:48:25
Comments	

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched AA_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Mean for items on AA scale
Percent of online class meeting recordings watched	Pearson Correlation	1	-.251
	Sig. (2-tailed)		.431

	N	12	12
	Pearson Correlation	-.251	1
Mean for items on AA scale	Sig. (2-tailed)	.431	
	N	12	12

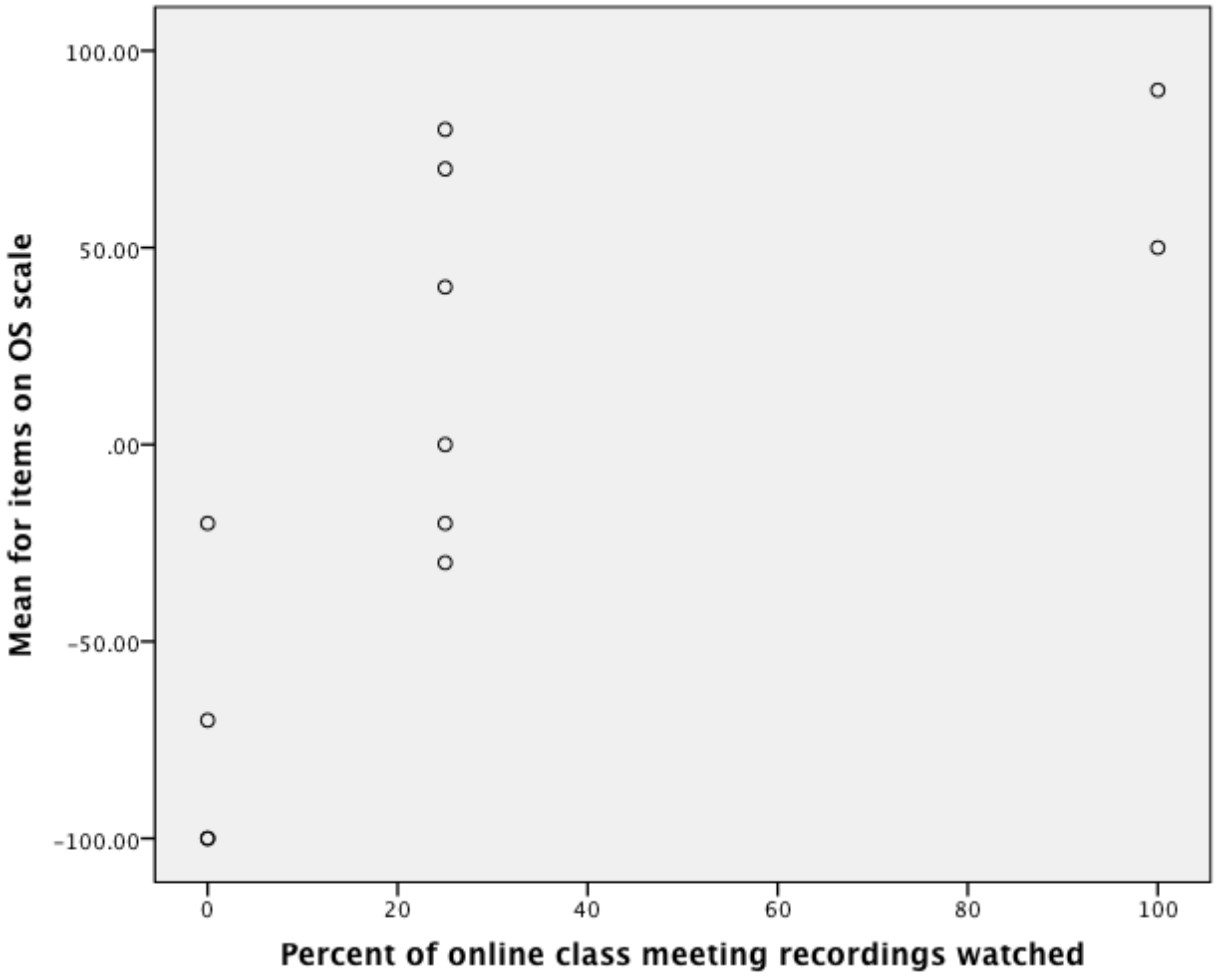
```
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH OS_Mean
  /MISSING=LISTWISE.
```

Graph

Notes

Output Created		10-DEC-2012 11:48:41
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Syntax		GRAPH /SCATTERPLOT(BIVAR)=Percent_recordings_watched WITH OS_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.22

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav




```
CORRELATIONS
  /VARIABLES=Percent_recordings_watched OS_Mean
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:48:58
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	14
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_recordings_watched OS_Mean /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav

Correlations

		Percent of online class meeting recordings watched	Mean for items on OS scale
Percent of online class meeting recordings watched	Pearson Correlation	1	.683*
	Sig. (2-tailed)		.014
	N	12	12
Mean for items on OS scale	Pearson Correlation	.683*	1
	Sig. (2-tailed)	.014	
	N	12	12

*. Correlation is significant at the 0.05 level (2-tailed).

```
DATASET ACTIVATE DataSet4.
GRAPH
  /SCATTERPLOT(BIVAR)=Percent_meetings_attended WITH Percent_recordings_watched
  /MISSING=LISTWISE.
```

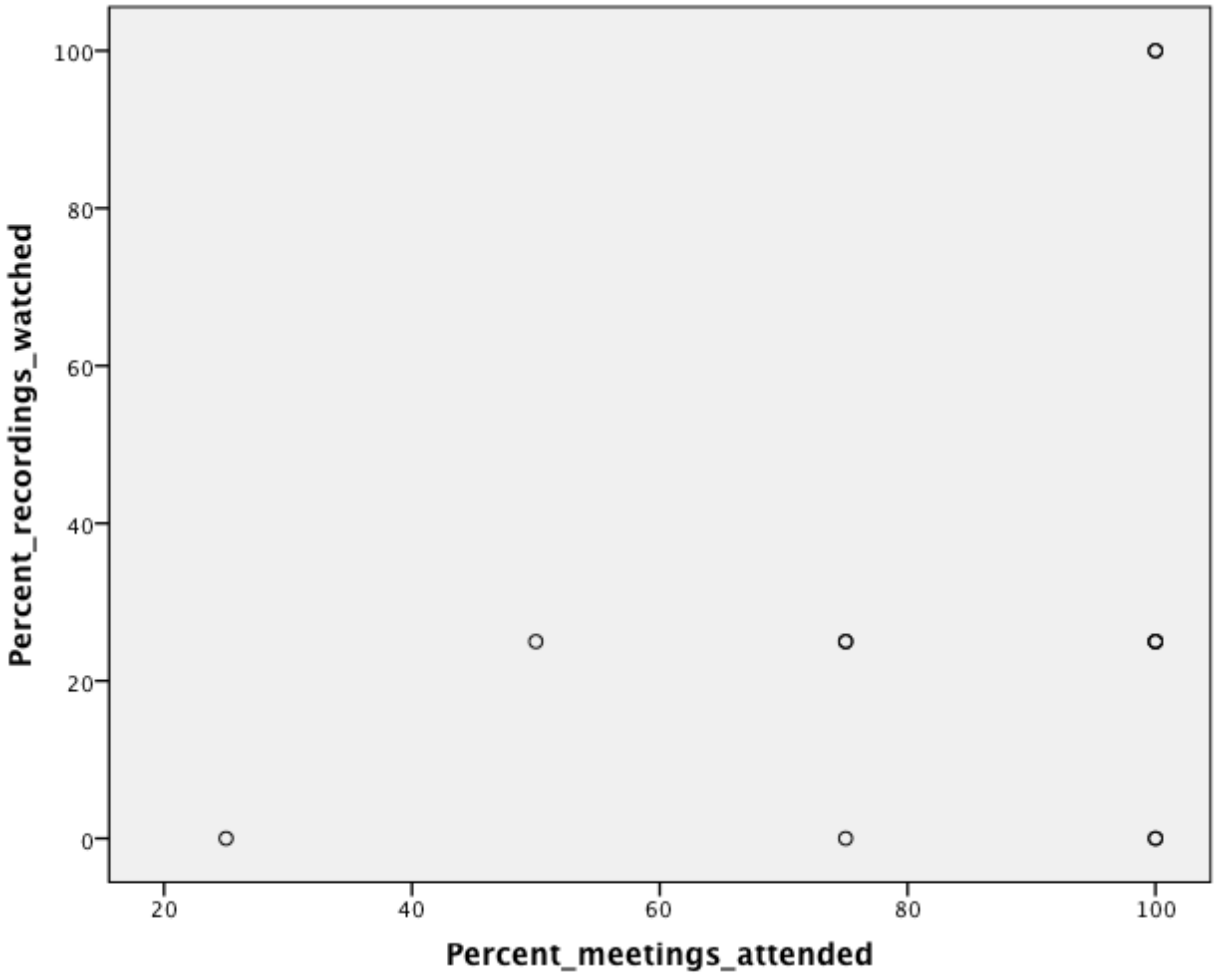
Graph

Notes

Output Created		10-DEC-2012 11:50:48
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12

Syntax		GRAPH /SCATTERPLOT(BIVAR)= Percent_meetings_attended WITH Percent_recordings_watched /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.16

[DataSet4] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav



```
CORRELATIONS
  /VARIABLES=Percent_meetings_attended Percent_recordings_watched
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Notes

Output Created		10-DEC-2012 11:51:24
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Percent_meetings_attended Percent_recordings_watched /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02

Elapsed Time	00:00:00.02

[DataSet4] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav

Correlations

		Percent_meetings_attended	Percent_recordings_watched
Percent_meetings_attended	Pearson Correlation	1	.351
	Sig. (2-tailed)		.264
	N	12	12
Percent_recordings_watched	Pearson Correlation	.351	1
	Sig. (2-tailed)	.264	
	N	12	12

```
DATASET ACTIVATE DataSet2.
GRAPH
  /SCATTERPLOT(BIVAR)=Paid_Work_Per_Week WITH OS_Mean
  /MISSING=LISTWISE.
```

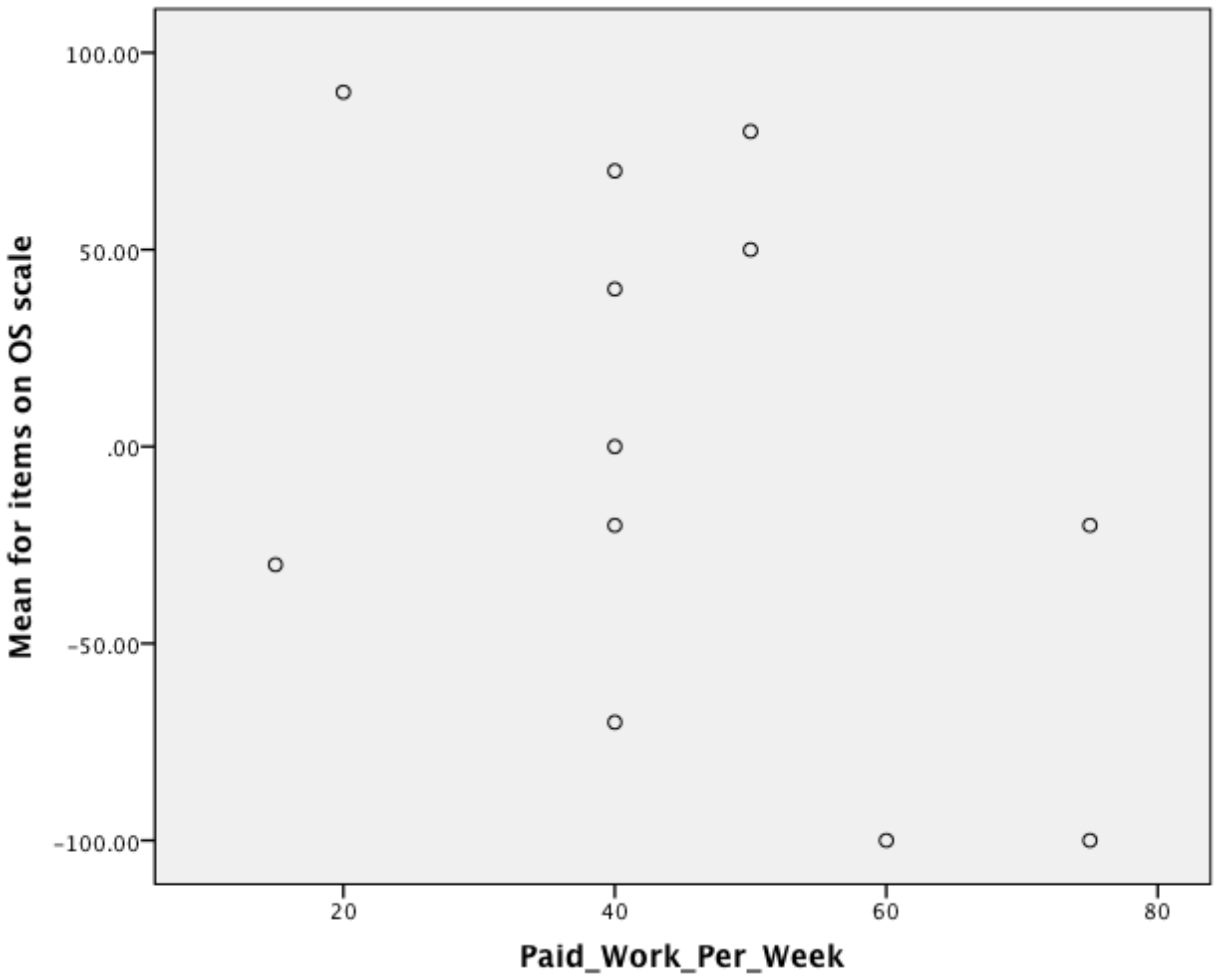
Graph

Notes

Output Created		10-DEC-2012 11:55:07
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Paid_Work_Per_Week WITH OS_Mean /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.14
	Elapsed Time	00:00:00.14

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



Notes

Output Created		10-DEC-2012 11:55:41
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=OS_Mean Paid_Work_Per_Week /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

```
GRAPH
  /SCATTERPLOT(BIVAR)=Paid_Work_Per_Week WITH Percent_meetings_attended
  /MISSING=LISTWISE.
```

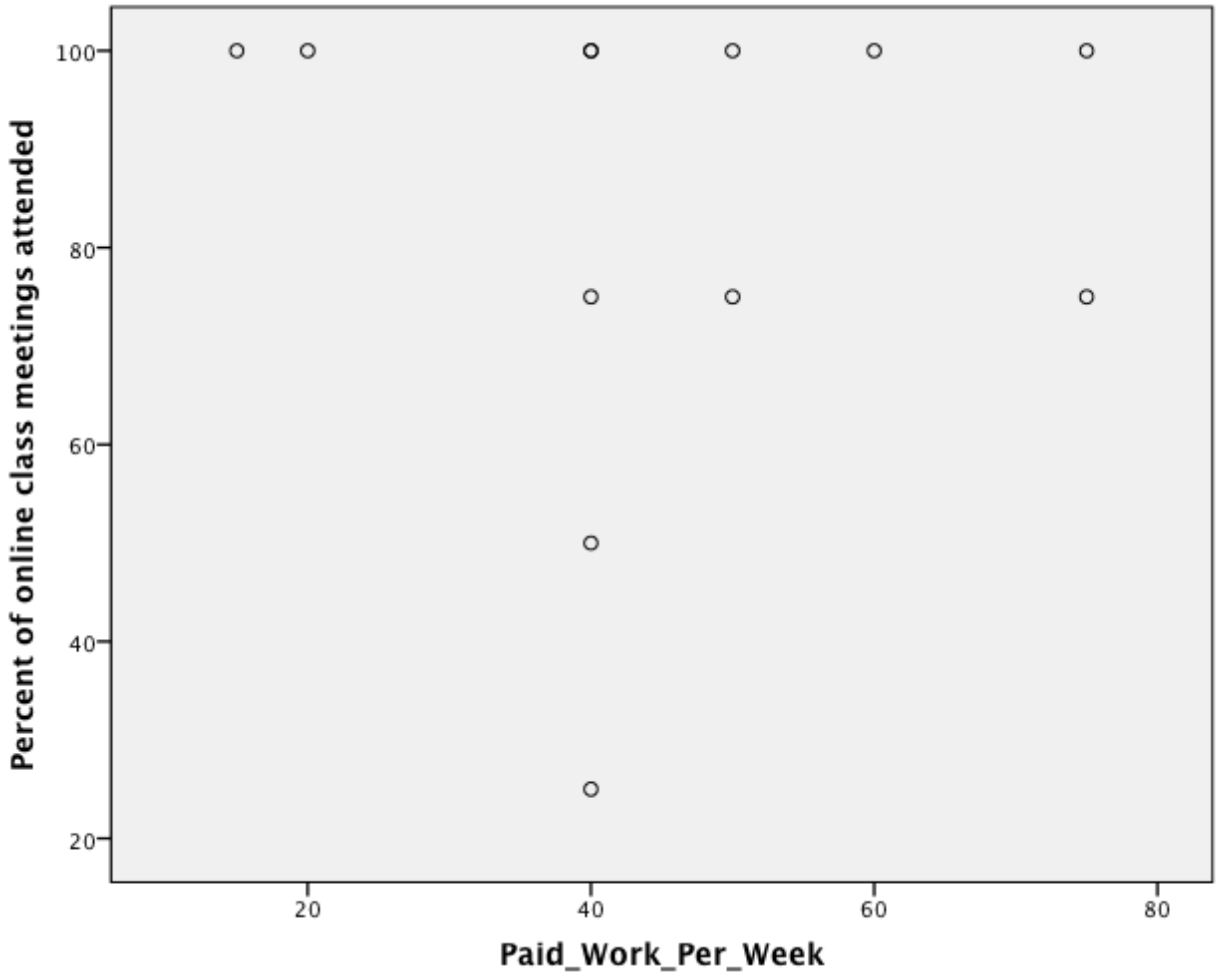
Graph

Notes

Output Created		10-DEC-2012 11:56:34
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	12
Syntax		GRAPH /SCATTERPLOT(BIVAR)= Paid_Work_Per_Week WITH Percent_meetings_attended /MISSING=LISTWISE.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.16

[DataSet2] C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav



Notes

Output Created		10-DEC-2012 11:57:02
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\Research Project Data for correlation.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.
Syntax		CORRELATIONS /VARIABLES=Paid_Work_Per_Week Percent_meetings_attended /PRINT=TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.03

Notes

Output Created		10-DEC-2012 11:58:37
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=Percent_meetings_attended BY Gender /CELLS MEAN COUNT STDDEV.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.00

Notes

Output Created		10-DEC-2012 11:59:31
Comments		

Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST /TESTVAL=0 /MISSING=ANALYSIS /VARIABLES=Gender Percent_meetings_attended /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Notes

Output Created		10-DEC-2012 12:00:34
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Gender(1 2) /MISSING=ANALYSIS /VARIABLES=Percent_meetings_attended /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Notes

Output Created		10-DEC-2012 12:12:37
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.

	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=Gender WITH Percent_meetings_attended (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Notes

Output Created		10-DEC-2012 12:13:11
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.

Syntax		T-TEST /TESTVAL=0 /MISSING=ANALYSIS /VARIABLES=Gender Percent_meetings_attended /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.05

Notes

Output Created		10-DEC-2012 12:18:09
Comments		
Input	Data	C:\Users\michelle.moore\Dropbox\UNT\CECS 6511 - Fall 2012\Research project\6511 Research data.sav
	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Gender(1 2) /MISSING=ANALYSIS /VARIABLES=Percent_meetings_attended /CRITERIA=CI(.95).

Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01