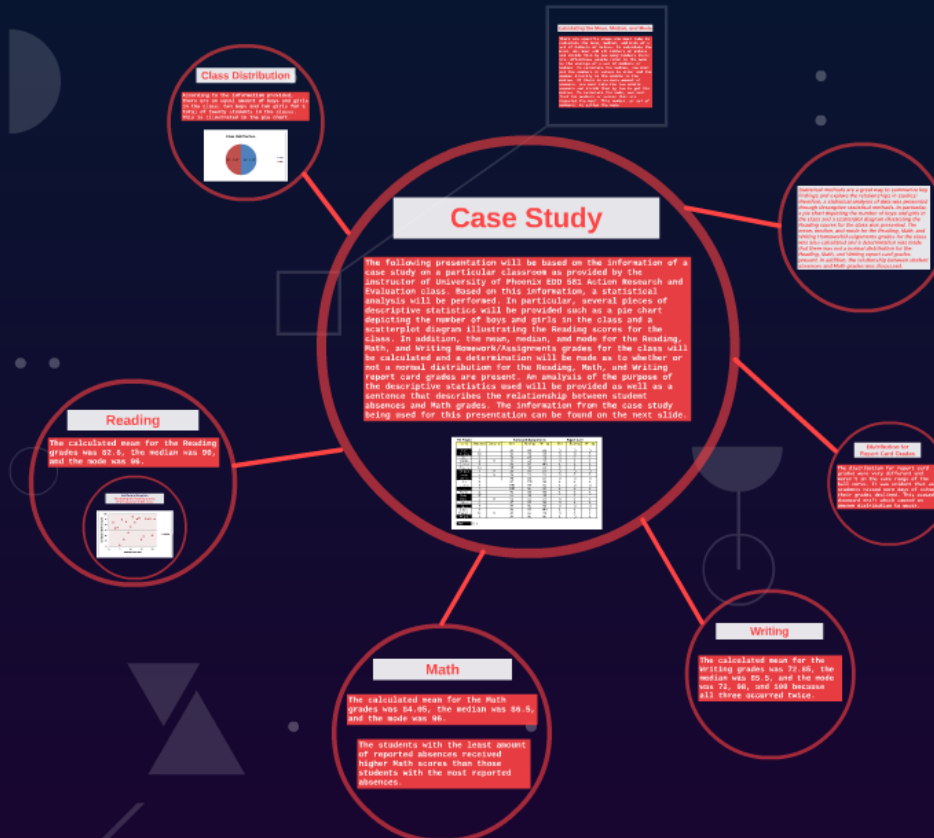


Statistical Analysis Report on A Cat Corp: Forecasting



Statistical Analysis Report on A Cat Corp: Forecasting

Case Study

The following presentation will be based on the information of a case study on a particular classroom as provided by the instructor of University of Phoenix EDU 581 Action Research and Evaluation class. Based on this information, a statistical analysis will be performed. In particular, several pieces of descriptive statistics will be provided such as a pie chart depicting the number of boys and girls in the class and a scatterplot diagram illustrating the Reading scores for the class. In addition, the mean, median, and mode for the Reading, Math, and Writing Homework/Assignments grades for the class will be calculated and a determination will be made as to whether or not a normal distribution for the Reading, Math, and Writing report card grades are present. An analysis of the purpose of the descriptive statistics used will be provided as well as a sentence that describes the relationship between student absences and Math grades. The information from the case study being used for this presentation can be found on the next slide.

Class Distribution

According to the information provided, there are an equal amount of boys and girls in the class. There are 10 girls and a total of twenty students in the class. See an illustration in the next chart.



Reading

The calculated mean for the Reading grades was 82.6, the median was 90, and the mode was 96.

Calculating for Mean, Median, and Mode

Mean: $\frac{82 + 85 + 88 + 90 + 92 + 94 + 96 + 98 + 100}{10} = 90.6$
Median: $\frac{90 + 92}{2} = 91$
Mode: 96

Statistical methods are a great way to summarize key findings and assess the relationships in studies. However, a thorough analysis of data was presented through descriptive statistical methods. A particular piece that depicting the number of boys and girls in the class and a scatterplot diagram illustrating the reading scores for the class was presented. The mean, median, and mode for the Reading, Math, and Writing Homework/Assignments grades for the class was also calculated and a determination was made that there was not a normal distribution for the Reading, Math, and Writing report card grades present in addition, the relationship between student absences and Math grades was discussed.

Distribution for Student Card Grades

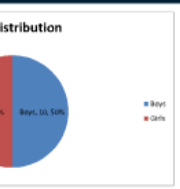
Grade	Frequency
82	1
85	1
88	1
90	1
92	1
94	1
96	1
98	1
100	1

Liberty Miro-Myers

EDD/581

October 6, 2014

Scott Benson



Case Study

The following presentation will be based on the information of a case study on a particular classroom as provided by the instructor of University of Phoenix EDD 581 Action Research and Evaluation class. Based on this information, a statistical analysis will be performed. In particular, several pieces of descriptive statistics will be provided such as a pie chart depicting the number of boys and girls in the class and a scatterplot diagram illustrating the Reading scores for the class. In addition, the mean, median, and mode for the Reading, Math, and Writing Homework/Assignments grades for the class will be calculated and a determination will be made as to whether or not a normal distribution for the Reading, Math, and Writing report card grades are present. An analysis of the purpose of the descriptive statistics used will be provided as well as a sentence that describes the relationship between student absences and Math grades. The information from the case study being used for this presentation can be found on the next slide.

Statistical findings, therefore, through a pie chart of the class. Reading mean, Writing mean was also that there Reading present. absence

Name	Pre Project Absences	Discipline	Homework/Assignments			Report Card		
			Math	Reading	Writing	Math	Reading	Writing
Alex	5		83	90	88	B	B	B
Anthony	18		73	79	78	C	B	C
Blair	3		76	80	72	C	C	C
Brooks	2	X	53	48	51	C	D	D
Carmen	0		96	95	100	A	A	A
Charlita	16		70	58	65	D	D	D
Douglas	1	X	66	91	81	B	B	B
Janice	4	X	76	71	73	C	C	C
Joshua	5		92	82	83	B	B	B
Kim	2		97	100	99	A	A	A
Lafisha	0		100	90	94	A	B	B
Li	1		100	95	95	A	A	A
Raboni	2		96	98	92	A	A	A
Robert	37		64	58	59	F	D	F
Rupert	4	X	66	64	63	C	D	D
Sara	3		87	97	96	B	A	A
Seah	0		95	96	96	B	B	B
Sheetal	0		96	97	100	A	A	A
Tawanna	14	X	81	66	72	C	C	D
Wayne	1		94	95	95	A	B	A

Boys Girls