

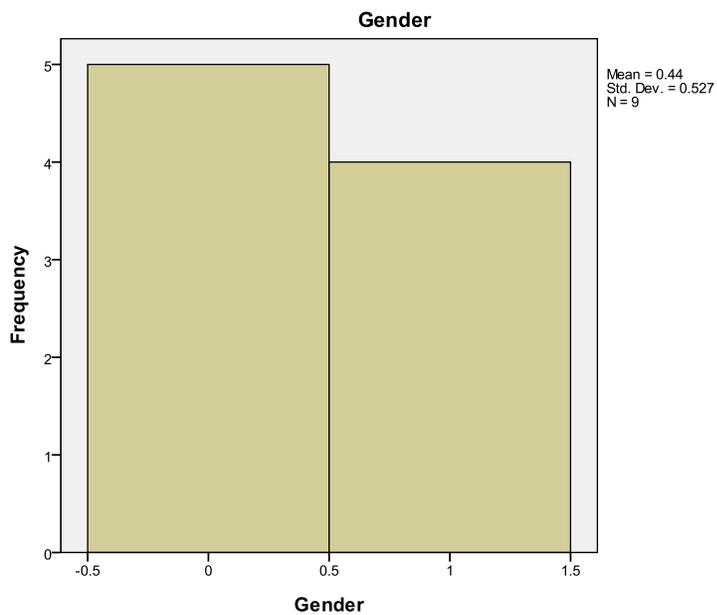
Homework I6 Key

Introduction

This report documents the results of descriptive statistics run on a set of measurements provided by the instructor.

Gender

Gender is a nominal measure, the histogram is shown below. **NOTE: This histogram is optional.**

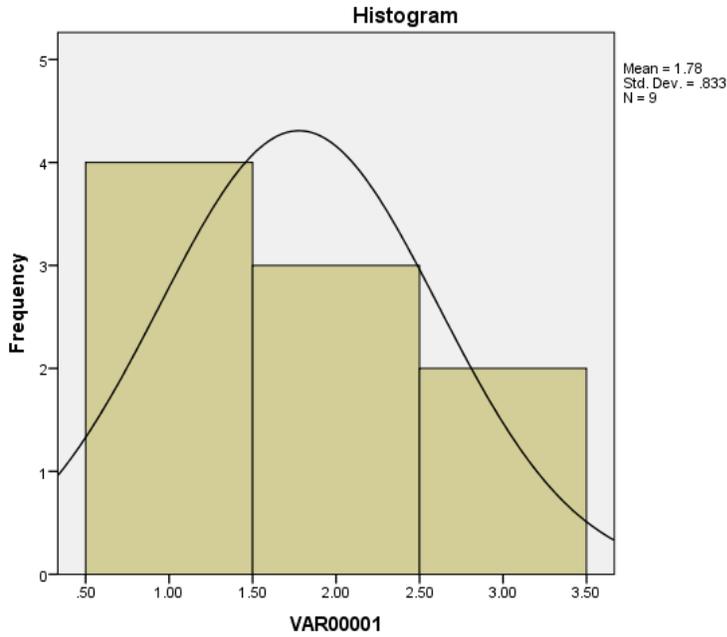


Gender Descriptives

The mode for Gender is female (representing 55.6% of the values).

Job Category

Job Category is an ordinal measure. The histogram is shown below (values dummy coded as 1=intern, 2=resident, 3=attending).

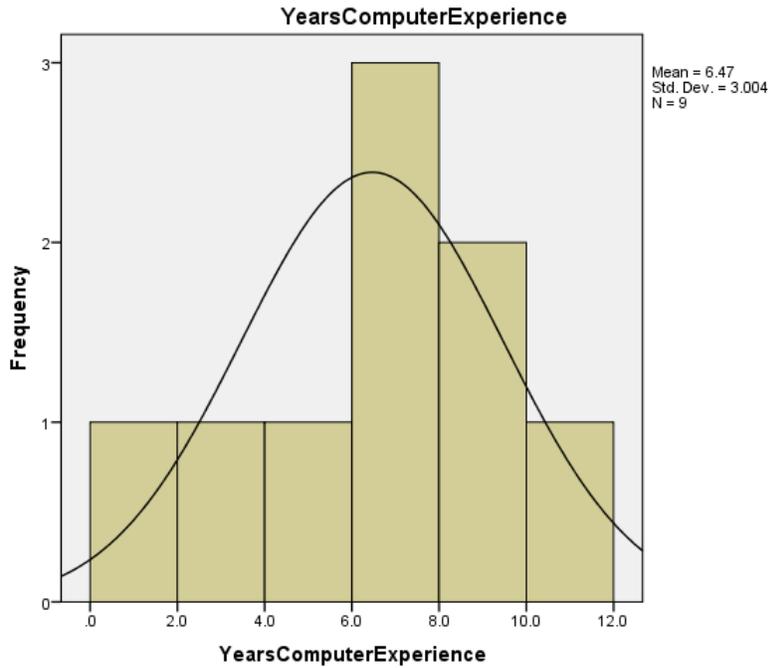


Job Category Descriptives

Job Category has a median value of 'resident'.

Years Experience

The Years Experience measure is ratio; the histogram is shown below.



Years Experience Descriptives

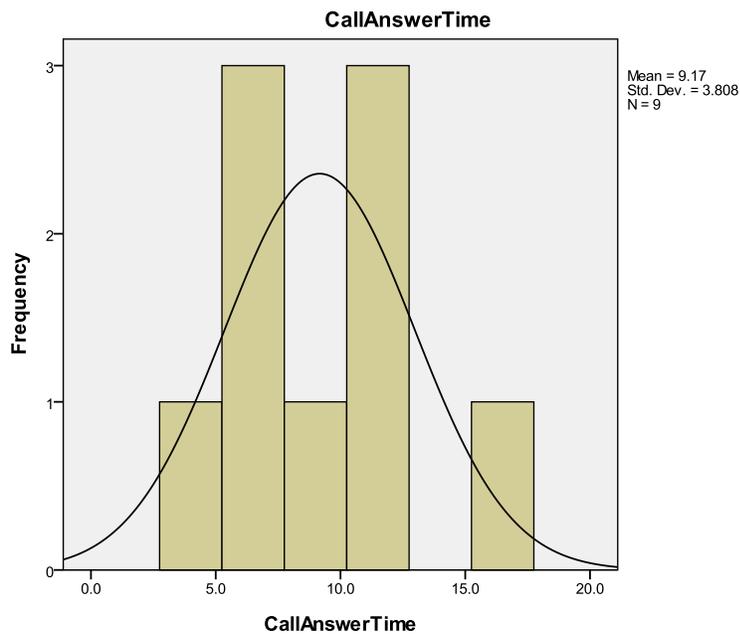
Years Experience appears roughly normal. It has a mean of 6.47 and a SD of 3.00.

Note: also ok to have the following:

Years Experience appears to have a negative skew. It has a median of 7.0 and an interquartile range of 5.1.

EHR Entry Time

The EHR Entry Time measure is ratio; the histogram is shown below.

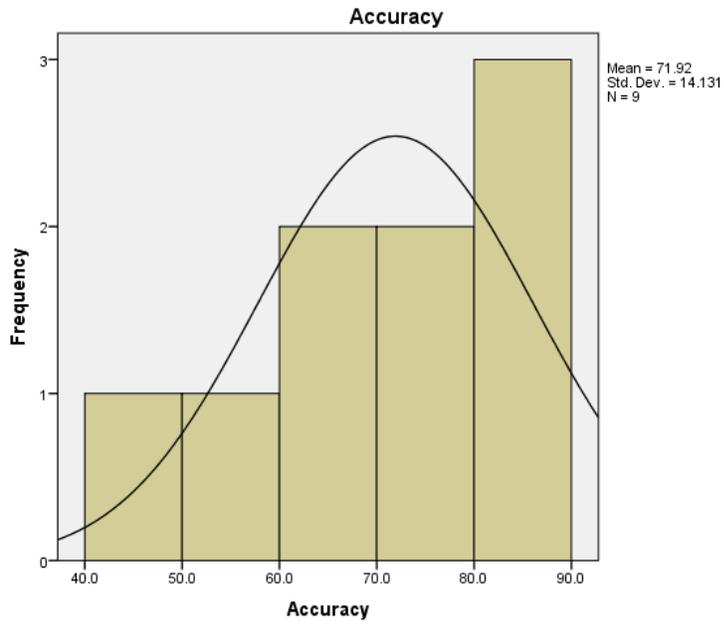


EHR Entry Time Descriptives

EHR Entry Time appears to be bimodal, although this could be an artifact of having so few data points. Under the assumption that it is unimodal, the mean is 9.2 and the standard deviation is 3.8.

Accuracy

The Accuracy measure is ratio. The histogram is shown below.



Accuracy Descriptives

Accuracy has a clear negative skew. Accuracy has a median of 73.5 and an interquartile range of 25.

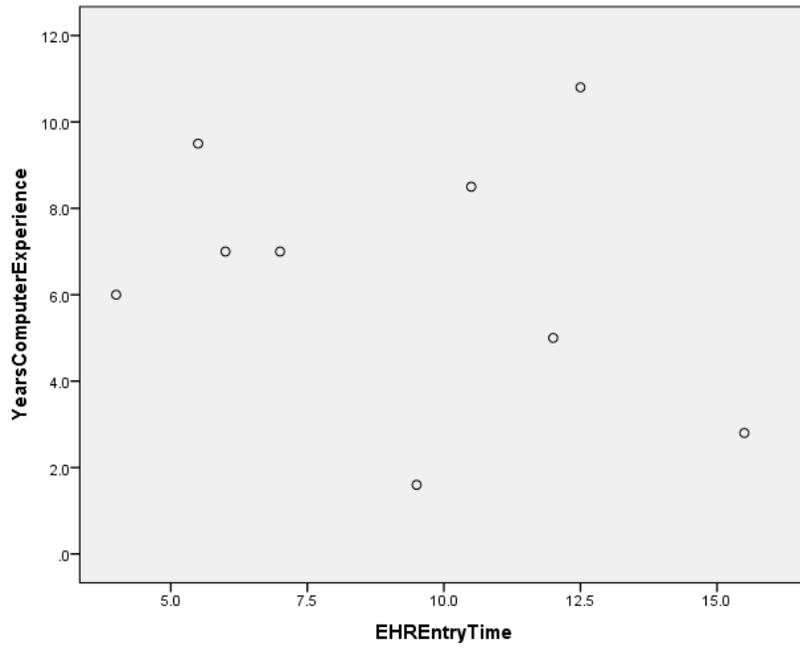
Job Category by Gender Cross Tabulation

JobCategory * Gender Crosstabulation

Count

| | | Gender | | Total |
|-------------|-----------|--------|------|-------|
| | | female | male | |
| JobCategory | attending | 1 | 1 | 2 |
| | intern | 1 | 3 | 4 |
| | resident | 3 | 0 | 3 |
| Total | | 5 | 4 | 9 |

Scatter Plot of EHR Entry Time by Years Computer Experience



BoxPlots of Accuracy by Gender

