1. eng0.txt, a text file containing the engagement scores of students who did not demonstrate knowledge of the course material.
2. eng1.txt, a text file containing the engagement scores of students who demonstrated knowledge of the course material.
3. Hypothesises:

1.Null Hypothesis: µ0 not equal to 0.75

2.Alternative Hypothesis: µ0 is equal to 0.75

The sample is bigger than 30 people, so we can use z-test.

1. Sample Size: 937 Sample Mean: 0.7430304110448239 The Standard Error: 0.12712605795317614 The Standard Score: -1.6781948375012814

The P-value: 0.046654534626218755

The P-value is not bigger than 0.05.

1. The sample size is 901 people.
2. Hypothesises

1.Null Hypothesis: µ0 not equal to µ1

2.Alternative Hypothesis: µ0 is equal to µ1

The sample is bigger than 30 people, so we can use z-test.

1. eng0

Sample size: 1977

sample means: 0.6399545077035914

Standard ERR: 0.005715989588773277

Z score: -19.252220562568542

p-value: 1.352401028607762e-82

eng1

Sample size: 937

sample means: 0.7430304110448239

Standard ERR: 0.004153027288269652

Z score: -1.6781948375012814

p-value: 0.09330906925243751