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▶ Week 0: Introduction to Data (Optional Review)

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#### Readings

Reading Check due May 03, 2016 at 17:00 UTC

#### Lecture Videos

Comprehension Check due May 03, 2016 at 17:00 UTC

Week 3: Hypothesis Testing (Two Group Means) &gt; Pre-Lab &gt; Draw Conclusions



Bookmark

Reflect on the Question

Analyze the Data

Draw Conclusions

## Primary Research Questions

1. Who is happier at the beginning of the semester: under-classmen or upper-classmen?
2. Does student happiness change from the beginning of the semester to the end?

(7/7 points)

### Write Your Conclusion

Answer the question and support your answer with statistics:


The average happiness scores for under-classmen (79.7%) and upper-classmen (78.3%)  **Answer:** were not found to be significantly different ( $t=$   **Answer:** 0.423 ,  $p = 0.675$ ). The distribution of scores for each group were

**Answer:** negatively skewed. However, the sample sizes were both sufficiently large to meet the assumption for Normality. Over the semester, student happiness  **Answer:** decreased by an average of 1.27%. This  **Answer:** was not a statistically significant change ( $t=$   **Answer:** 1.684  $p=.094$ ). Overall, there  **Answer:** does not appear to be any significant difference in levels of student happiness based on their year in college, or the time of the semester.

[Click here for a video explanation of how to answer this question.](#)

*You have used 1 of 1 submissions*


**R Tutorial Videos****Pre-Lab**

Pre-Lab due May 03,  
2016 at 17:00 UTC 

**Lab**

Lab due May 03, 2016  
at 17:00 UTC 

**Problem Set**

Problem Set due May  
03, 2016 at 17:00 UTC 

- ▶ Week 4:  
Hypothesis  
Testing  
(Categorical  
Data)

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