



Assignments > Week 6 Assignment: Hypothesis Testing (One Sample / Proportions)

soci332 Assignment Rubric

Week 6 Assignment: Hypothesis Testing

Criteria	Exemplary	Accomplished	Developing	Beginning	Did Not Attempt	Criterion Score
Accuracy & Completeness	35 points All calculations correct, all tasks completed	29.75 points Minor calculation or task errors	26.25 points Several errors, incomplete elements	22.75 points Multiple missing elements	0 points No attempt	/ 35
Use of Excel	35 points Effective use of Excel with correct formulas and clear visuals	29.75 points Mostly correct use of Excel	26.25 points Struggles with formulas or formatting	22.75 points Excel work is incorrect or missing	0 points No attempt	/ 35
Interpretation & Communication	30 points Results clearly explained in plain language	25.5 points Mostly clear interpretation	22.5 points Partial interpretation, limited clarity	19.5 points Interpretation missing or inaccurate	0 points No attempt	/ 30

2. Use Data → Data Analysis → t-test: Two-Sample Assuming Equal Variances

(or appropriate variant) if Analysis ToolPak is enabled. Or use built-in functions: / 100

a. =T.TEST(range1, range2, tails, type)

b. For one-sample: compute $t = (\text{mean} - \mu_0) / (\text{stdev} / \text{SQRT}(n))$.

Overall Score

3. Use =T.DIST.2T(|t|, df) or =T.DIST.RT(|t|, df) for p-value (two-tail or right-tail).

Exemplary

90 points minimum

Accomplished

80 points minimum

Developing

70 points minimum

Beginning

60 points minimum

Did Not Attempt

0 points minimum

4. Compare p-value to α . Make decision.

5. Report test statistic, degrees of freedom, p-value in Excel, and interpretation in a write-up.

6. Use cell references for all calculations.

Submission Instructions:

[Enter the expectations for the student's submissions. Samples are below]

- A 3–5-page Word Document
- Must include a title page, abstract, and references. These are not counted in the page count/slide count.

Be sure to review the following prior to submitting your assignment:

- Academic Integrity Guidelines [content page]
- Assignment Rubric
 - If you do not see the rubric, in the blue horizontal navigation bar select **Course Tools, then Assignments**. Select the appropriate assignment, and the rubric will be located near the bottom of the page.

This assignment aligns with the following:

- Course Objectives 3, 5 & 6 [content page]
- Learning Objectives 1.1 & 2.3 [content page]

Resources & Supports

- Office 365 [webpage]: You have free access as an APUS student. Sign in with your MyCampus Email credentials.
- Submitting and Confirming a Submission [video]: Watch this 3-minute video if you need guidance on submitting your assignment.

Due on Nov 15, 2026 7:59 PM

Submit

Cancel

Submit Assignment

Files to submit

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After uploading, you must click **Submit** to complete the submission.

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