

## Unit4 - Individual Project

### Assignment Overview

**Type:** Individual Project  
**Due Date:** Sun, 5/24/15  
**Points Possible:** 100  
**Points Earned:** 0  
**Deliverable Length:** 2-3 pages

### Go To:

- **Assignment Details**
- [Learning Materials](#)
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### My Work:

Online Deliverables: [Submissions](#)

## Assignment Details

### Assignment Description

[This data set](#) is a sample of Web server statistics for a computer science department. It contains the following 11 sections of data:

1. Total successful requests
2. Average successful requests per day
3. Total successful requests for pages
4. Average successful requests for pages per day
5. Total failed requests
6. Total redirected requests
7. Number of distinct files requested
8. Number of distinct hosts served
9. Corrupt logfile lines
10. Total data transferred
11. Average data transferred per day

Write an essay of 2–3 pages that contains the following:

- A complete overview of the data, identifying anomalies in different weeks, and the weeks that the data are not regular.
  - Choose 5 different sections of data, examine these sections, and provide the specific selection process and criteria you used to select this data set.
- Provide the measures of tendency and dispersion for each of the 5 different sections of data you selected.
- Provide 1 chart or graph for each of the 5 processed sections. This may be a pie or bar chart or a histogram.
  - Label the chart or graph clearly.
  - Explain why the graph you provided gave a good visual representation of the data.
  - Based on your explanation above, identify some specific advantages why, in general, charts and graphs are important in conveying information in a visual format.
- Determine the standard deviation and variation, and explain their importance in statistical analysis of a data set.
- Based on the tasks you performed in this project, research how statistics are used in information technology (IT), and provide references for your research

Your essay should include proper citation in APA formatting, both in-text, and in reference pages. Include a title page and use 12-point Times New Roman double-spaced font throughout the text.

*This assignment will also be assessed using additional criteria provided [here](#).*

**Please submit your assignment.**

**For assistance with your assignment, please use your text, Web resources, and all course materials.**

### Reading Assignment

Click [here](#) for Unit 4 suggested reading materials.

### Assignment Objectives

- Utilize various discrete mathematics, probability, and statistical models to analyze data, present information, and draw inferences.
- Explain why statistics and probability are important elements in IT.
- Use statistical methods to analyze, evaluate, and recommend performance improvements for systems.
- Apply critical thinking to various IT scenarios using discrete mathematics and statistics techniques.

### Other Information

There is no additional information to display at this time.

### Legend

 Extra Credit  View Assignment Rubric

