

MIS2502: Data Analytics

Professional Achievement Points Assignment (and Extra Credit!)

Overview and Purpose:

Research a current topic on Data Analytics that we have not covered extensively in class. You will create a write-up, posted to your E-Portfolio on the Community Site. You should design the write-up to be a component of your professional E-Portfolio. The purpose of this assignment is to give you an outlet to display your ability to understand and describe an aspect of data analytics to your current and future employers.

All students who have been through MIS2101 should have an E-Portfolio. You can use that same E-Portfolio for this assignment. If your e-portfolio has expired, don't panic – just contact me.

Everyone who successfully completes the assignment will receive 3 points extra credit added to their final exam grade (that's equivalent to a little over one-half point added to your final course grade). MIS Majors will also receive 50 "Professional Achievement Points."¹

Possible topics:

- Big data
- Text mining and sentiment analysis
- Distributed data technologies (i.e., Hadoop)
- Virtual data cubes and/or in-memory analytics
- The Internet of Things (IoT)
- Cloud-based analytics
- NoSQL databases

You don't have to choose one of these, but if you're unsure of your topic choice ask me first (email is fine).

Content:

You should cover the following points in your writeup:

- **A brief overview** of the topic (i.e., what is it and why is it important).
- **How the topic relates to the material we have covered in MIS2502.** How does it build on the concepts covered in the course? What are the related topics in MIS2502?
- **An example** that describes how this tool or technique has been applied in practice.

Your write-up should be between 250 and 300 words, not including references.

MORE GUIDELINES ON THE NEXT PAGE...

¹ For more information about Professional Achievement Points for MIS Majors, see <http://community.mis.temple.edu/professionalachievement/>

Deliverable:

A page on your Community Site E-Portfolio that summarizes your research. Send me a single email with links to the front page of your Community Site E-Portfolio and to your write-up page.

If you are an MIS major and do not have an E-Portfolio, instructions to make one are here:

<http://community.mis.temple.edu/professionalachievement/get-started/>

If you are not an MIS major and do not have an E-Portfolio, don't panic – just contact me before starting this assignment!

The deadline is 11:59 PM on April 25, 2019. No late submissions will be accepted!

Evaluation:

To receive credit, your deliverable must satisfy these criteria:

- 1) The three areas described in the "Content" section must be covered.
- 2) The text must be in your own words. Paraphrase your sources; do not quote directly from them.
- 3) You should cite all the sources you use in a professionally formatted bibliography at the end of your write-up.
- 4) Your write-up should be formatted as an HTML page. In other words, DO NOT POST A PDF OR WORD DOCUMENT.
- 5) The page should look professional and be free of grammatical errors and typos.

There is no partial credit! If you don't meet all of these requirements, you will receive no credit for this assignment.

If these criteria are met, you will receive:

- For all students: 3 points extra credit added to your final exam grade
- For MIS Majors only: 50 "Professional Achievement Points"