**MIS2502: Data Analytics Extra Credit Assignment (and Professional Achievement Points!)**

**Due at 9:00 AM on May 1st, 2017.**

**No late submissions will be accepted!**

**1. Overview and Purpose:**

Research a current topic on **Data Analytics** that we have not covered extensively in class. You will create a write-up, and 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.

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).

**If you are a MIS major,** you can also receive 50 “Professional Achievement Points.” 1 To receive “Professional Achievement Points”, you need to post the write-up to your E-Portfolio on the Community Site. You should design the write-up to be a component of your professional E-Portfolio. 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 (zheng@temple.edu).

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

**If you are NOT a MIS major** or if you **do not want to receive “Professional Achievement Points”**, you can simply submit the write-up as a word document on Blackboard without an E-Portfolio.

**2. Possible topics:**

• Social network analysis/analytics

• 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.

**3. Content:**

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

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.

**4. Deliverable**

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| For MIS majors who would like to receive Professional Achievement Points:  | A page on your Community Site E-Portfolio that summarizes your research. On Blackboard, submit the links to the front page of your Community Site E-Portfolio and the link 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/eportfolios/samples-and-resources>   |
| For non-MIS majors, or MIS majors who do not want to receive Professional Achievement Points | A write-up as a word document on Blackboard. You do not need to have an E-Portfolio.  |

**5. 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) If you are a MIS major and would like to receive points, your write-up should be formatted as an HTML page and posted to your E-Portfolio. In other words, DO NOT POST A PDF OR WORD DOCUMENT.

5) The write-up 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” in addition to the extra credit

(If you do not post the write-up to your E-Portfolio, you will not receive any Professional Achievement Points.)