**Assignment #4: Explore the Data Visualization Process**

*MSiA – Introduction to Data Visualization and Data Storytelling*

1. **Case Study**

You’ve been hired by the organization [Viz for Social Good](https://www.vizforsocialgood.com/). Viz for Social Good brings together passionate data professionals with social organizations to collaborate on data visualization projects to tackle critical social issues. Each month, they organize a data visualization hackathon designed to provide social organizations with the pro bono data volunteers to have insightful dashboards and to understand how data can be used to advance their missions.

1. **Requirements**

Using the data set *Assignment 4\_Dataset*, your goals are to:

* inspire more data professionals to join the initiative by seeing the impact they will be able to make through creating data visualizations
* showcase to charities (especially those that are currently not leveraging data and don’t understand the value of using data) how data can help them achieve their mission much more effectively

Follow the data visualization process discussed in class and create at least 3 charts in one of the following tools: D3, RAWgraphs, Datawrapper, or Flourish. Pay attention to design elements (e.g. color, position). Add an insightful title. Include a link to the data source.

Your submission will include:

* A copy of the 3 charts that you created in D3, RAWGraphs, Datawrapper, or Flourish.
* Sketches of the 3 charts that you created.
* PowerPoint document that answers the questions in the file *Assignment 4\_Handout* (provided by the instructor).

1. **Grading Rubric**

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| **CHARTS**  Your 3 graphs incorporate the learnings from readings and class lectures. | 6 points |
| **CHART SKETCHES**  You include at least 2 sketches of each chart.  Your sketches will help the instructor and TA understand your thought process around visualizing the data. | 2 points |
| **POWERPOINT ANSWERING THE DATA VISUALIZATION PROCESS QUESTIONS**  You answer each question in the handout thoroughly.  You incorporate the learnings from readings and class lectures. | 7 points |
|  | **15 points** |