Project Overview

For this project, you will create a data visualization from a d trends or patterns in the data. You will need to use either **di d3.js (http://d3js.org/)** to create the visualization. Your work and practice of data visualization, such as visual encodings, communication.

Prepare for this project with: **Data Visualization (https://ww ud507-nd)**.

Note

If you have successfully completed the project for the Data V (which entails having graduated from the course and having simply email us at dataanalyst-project@udacity.com with yo you credit for this project.

What do I need to install?

To work on your data visualization, you will need to start a l start a local web server, you will need to have **Python 2.7.8 (https://www.python.org/downloads/)** installed on your ma

If you do not have Python installed on your machine, please **Downloading Python (https://classroom.udacity.com/courses/ud036/lessons/9** These instructions come from the **Programming Foundatio (https://www.udacity.com/course/ud036)** course.

Once you have Python installed, you can start a local web se visualization. Refer to the following **video (https://classroom.udacity.com/nanodegrees/nd002/parts** to see how to do so.

Remember, you must start your web server in the top level files. If you do not use this folder as the root directory for th need to change the file paths.

There are other ways to start a local web server. To learn m
local web server and other ways of ...tting up a local web se
Web Server
(http://chimera.labs.oreilly.com/books/1230000000345/ch
from Scott Murray's book, Interactive Data Visualization for

Why this Project?

This project will touch on the overarching attitudes and beli
visualization, such as:

- visualization is a dialog
- showcasing and sharing visualization with others
- visualization is a fluid process that typically requires m

You will have an opportunity to experience the end-to-end p
visualizations and highlighting important information from
or hard to uncover.

What will I learn?

After completing the project, you will be able to:

- Demonstrate the ability to choose optimal visual elem
assess the effectiveness of the visualization
- Communicate a story or finding to the appropriate au
visualizations
- Undergo the iterative process of creating a visualizatic
visualizations with dimple.js or d3.js.

Why is this Important to my Career?

Data analyst are storytellers that can translate data findings
understand. They view data visualization as an important fo

If you, as a data analyst, can create visualizations to explore
drive business decisions, or use data to elicit consensus fror
be a deeply invaluable member on your team.