Analytics Jumpstart

Introduction

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- Your name
- The place you call home
- Something people are usually surprised to discover about you

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Classroom *guidelines*

- Ask lots of questions
- Help each other; learn from each other
- Get comfortable with discomfort. Making mistakes, figuring them out, and then correcting them is part of the learning process
- After working through the assignment, form your own ideas and do your own exploration beyond what has been suggested

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Class format

1. Concepts/Code Lecture
2. Coding practice
3. Interactive with instruction team and other students!

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Goals for the class

- Get hands-on experience of what it might be like to work as a data analyst or data scientist
- Get an idea of whether or not this might be a good fit for a career
- Learn some tools to help you on personal analysis projects
- Make discoveries and have fun

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Goals for today

- **Define the Data Science Process – *a basic mental model for analysis***
- **Define *different types* of analytics and differentiate between Data Analytics and Data Science**
- **Jupyter Notebook walkthrough/orientation**
- **Analysis Guide walkthrough**
- **Get started on the project!**

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The Data Science Process

Gartner Analytic Ascendancy Model

Gartner

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Home

localhost:8888/tree#running

jupyter

Logout

Files | Running | Clusters | Nbextensions

Currently running Jupyter processes

Terminals

There are no terminals running.

Notebooks

NSS/jumpstart/jumpstart_crimes.ipynb Python 3 Shutdown seconds ago

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- **meaningful**
- **no spaces**

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Open Anaconda Navigator and launch Jupyter

jupyter police_calls (autosaved)

Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

- Interrupt
- Restart
- Restart & Clear Output
- Restart & Run All
- Reconnect
- Shutdown
- Change kernel

Jumpstart Course - Anal alls

In [1]:
```
import pandas as pd
import folium
import matplotlib.p
import seaborn as s
import numpy as np
import sqlite3 as sql

%matplotlib inline
```

In [ ]:

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jupyter police_calls (unsaved changes)

Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

Markdown

Jumpstart Course - Analysis of Nashville Police Calls

Code

Jumpstart Course - Analysis of Nashville Police Calls

In [1]:
```
import pandas as pd
import folium
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np
import sqlite3 as sql

%matplotlib inline
```

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Next up:

- **walk through analysis guide**

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