



DAT - Class 1

Overview, Installation, Basic Concepts



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What About You?

- What brought you here?
- Career background?
- What are you looking to get out of the class?



Things You Should Have Installed:

- **Anaconda**
- **A Github Account**
- **A slack account w/ GA**





Discussion: What Is A Data Scientist?

What Is Your Working Definition of a Data Scientist?

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**A Data Scientist Is Someone Who Knows
More About Stats Than a Typical
Programmer, and More About
Programming Than a Typical Statistician**

So What Skills Does a Data Scientist Have to Master?



Data Science Competencies

A close-up, slightly blurred background image showing a person's hands typing on a laptop keyboard. The laptop screen displays a code editor with syntax-highlighted code, likely in a programming language like Python or JavaScript. The person is wearing a dark-colored shirt. The overall scene suggests a focus on data science or programming.

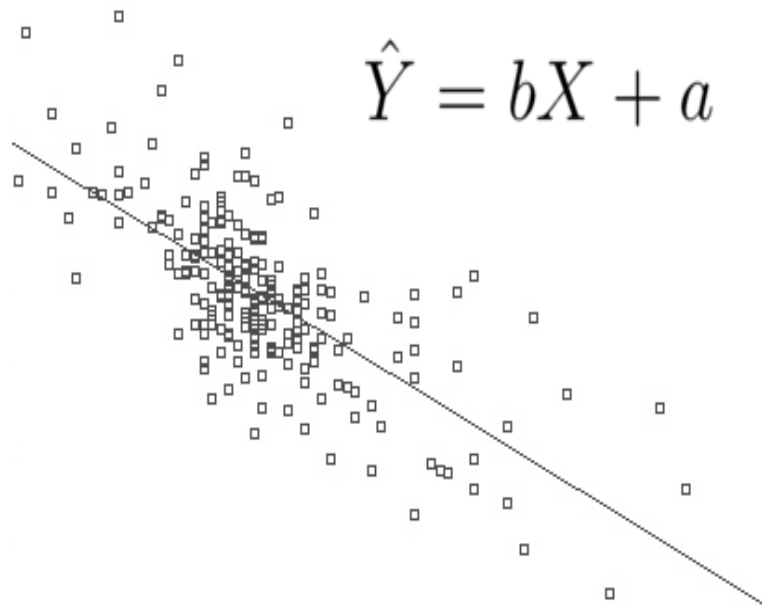
1). High Level Programming Language

2). Data Collection/Cleaning

3). Conceptual Fluency with the Statistical Techniques You Apply To Your Data

Statistical Competencies for Data Science

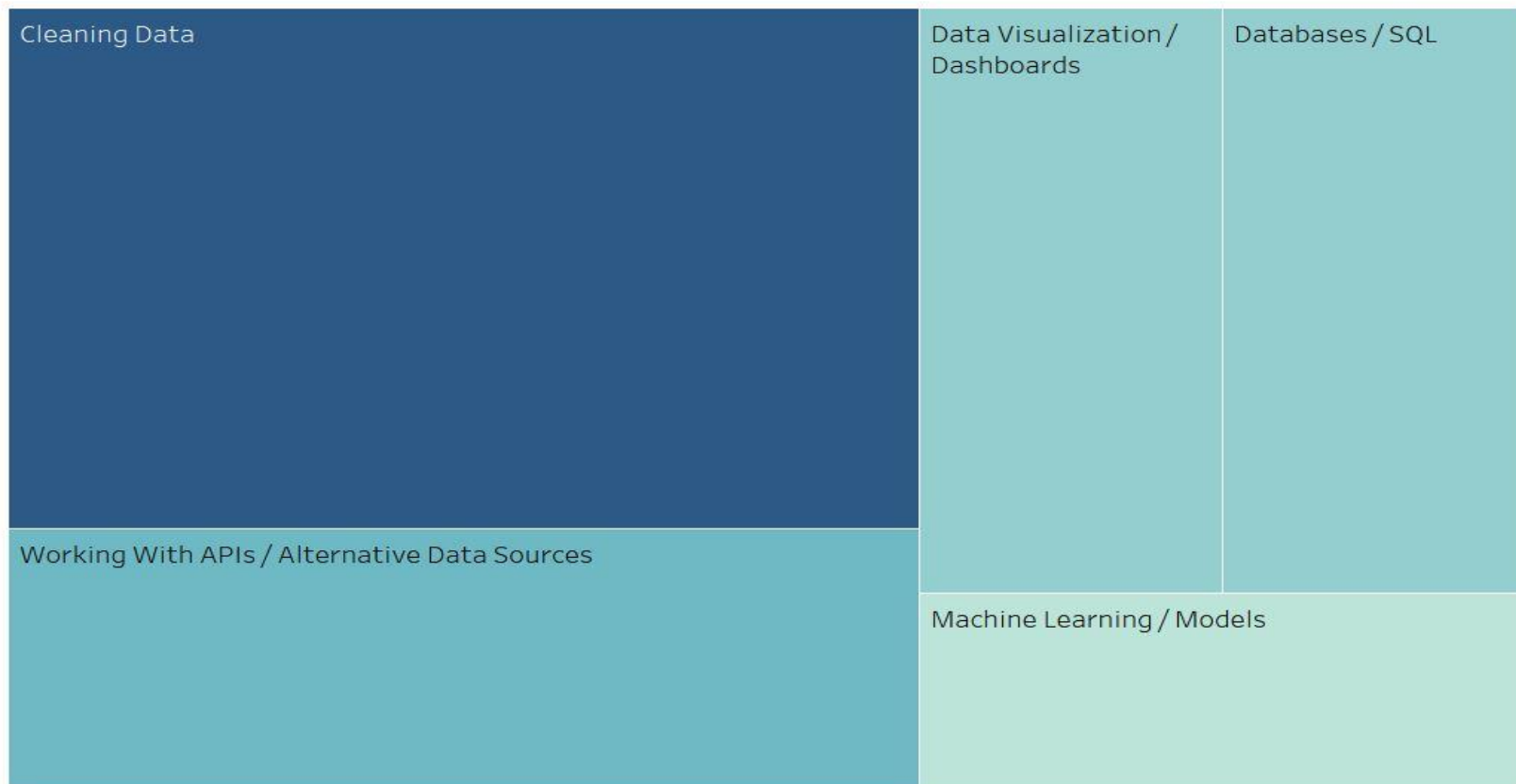
- Descriptive statistics
- Basic Understanding of distributions
- Regression
- Familiarity with different machine learning methods



How a Data Scientist Spends Their Time: Perception



How a Data Scientist Spends Their Time: Reality



Data Science Example Workflow

