Overview

Introduction

Class Overview
Outline

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Who am I?

1. A professor in the Department of Linguistics specializing in Computational linguistics
3. I have a lot of experience in introducing students without a lot of computational background to computational ideas
The code
Need

Big data and social science

Social scientists find themselves facing exponentially larger data sets without suitable tools to deal with them.
Where do you fit?

Drew Conways’s Data Science Venn Diagram
What is Python?

1. Active and growing community of (data) scientists using it
2. Easy to learn
3. Easily constructed scripts: programs that construct pipelines combining the functionality of other programs
4. Provides a formidable array of data collection, data manipulation, and data analysis tools
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## Class goals

### Who it’s for

1. Graduate students and upper division undergraduates
2. Students with no knowledge of programming who want to get in on the data goldmine of the **Age of Information**
3. Students who have data that they need to drill into to reshape it or to extract specific kinds of information.
4. Students open to expanding their computational skills
Class prereqs

1. Some knowledge of what counts as interesting data in your particular discipline, and some experience working with it.

2. An interest in exploring some of the data opportunities provided by government websites, social networks, blogs, and the marketplace of ideas that is the Internet.
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