

CS-395 Big Data – Data Wrangling
28 – 30 Sep. 2018
9AM - 5PM ODU Tri-Cities Center, room 1230
Instructor: Dr. Cartledge
<http://www.cs.odu.edu/~ccartled/Teaching>

- **Big data is quadrupling every year!**
 - Everyone is creating it
 - Everyone wants to use it
- **Objectives:**
 - Learn what Big Data is
 - Learn data wrangling, data munging, and data normalizing
 - Learn how to store and analyze Big Data
- **Learn about Big Data questions**
 - What types are easy to answer
 - What types are hard to answer
- **Technologies to be used:**
 - R, RStudio
 - PostGres SQL database
- **Academic prerequisites:**
 - CS-330 or equivalent, at least a C as final grade
 - Permission of the instructor
- **Recommended experiences:**
 - A structured language
 - HTTP API requests and responses

Other notes:

- This is a hands-on programming course. You will establish a Twitter developer's account.
- You will use Twitter's API to search for specific data.
- You will write real-time programs to conduct sentiment analysis of tweets.
- You will monitor sentiment over time.
- You will use different languages.