

# CSCI381 Data Analytics -- logistics

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Instructor: Dr. Alex Pang

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Lectures: Mon, Wed (8:00pm – 9:15pm)

Pre-requisites:

- CSCI 313 (Data Structures)
- Math 241 (Prob & Stat)

Teaching Assistant: None

Office hours: 9:15 to 9:45 pm after class

Course Objective:

At the end of this course students should

1. have a good overview of the data science professions and modern data analytics platforms.
2. have acquired expertise in using Python as his/her data analysis and model development platform
3. have developed a good analytical mindset in drawing insights on data and making recommendations
4. have understood some of the most common machine learning techniques and feel comfortable in pursuing more advanced skill set in machine learning areas.

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5. be able to present themselves as smarter than they actually are

Course objective – Make yourselves looks smart

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Imagine your boss ask you to join a meeting where either your colleague or some sale representative or research to present their “super-wonderful-one-of-a-kind” great Data Mining model that your company cannot resist not to use.

And you have absolutely no ideas what are the theory behind the models

What can you still say or ask that can impress others and convince them that you are an expert that they need your advice on project?

First most useful word you will learn from me -- Bias

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How did you collect the data? What are your sampling methods? ....

So, your data seems to have XXX bias.

Example: does your data include enough Latinos,  
Female, etc and etc

# Does your data have Bias?

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Remember Data Mining starts with Data  
not Mining

<https://cmotions.nl/en/5-typen-bias-data-analytics/>