

Lecture Subjects & Canvas Lessons	Focus for Assessment
Welcome to Data Science — <i>Mon 9.14</i>	
Python Fundamentals — <i>Tues 9.15</i> <ul style="list-style-type: none"> - Control flow, Functions, and Statistics – Introduction - Built-in Python Operators, Functions and Methods - While Loops, Break and Continue - Creating Functions 	(Data structure—manipulating nested collections) Topic 1 <ul style="list-style-type: none"> <input type="checkbox"/> Working with Dictionaries + Lab <input type="checkbox"/> Looping over Collections + Lab
Statistics Fundamentals — <i>Tues 9.15</i> <ul style="list-style-type: none"> - Measures of Central Tendency - Measures of Dispersion - Covariance and Correlation 	Topic 3 <ul style="list-style-type: none"> <input type="checkbox"/> Functions with Arguments + Lab <input type="checkbox"/> Covariance and Correlation + Lab
Introduction to Libraries 1 — <i>Wed 9.16</i> <ul style="list-style-type: none"> - Introducing Python Libraries - Introduction to NumPy - Getting Started with NumPy - Accessing Data with Pandas - Understanding Pandas Series and DataFrames 	Topic 4 <ul style="list-style-type: none"> <input type="checkbox"/> Accessing Data within Pandas + Lab <input type="checkbox"/> Statistical Methods in Pandas + Lab <input type="checkbox"/> Understanding Pandas Series and DataFrames + Lab
Pandas 2 — <i>Thurs 9.17</i> <ul style="list-style-type: none"> - Lambda Functions - Dealing with Missing Data 	Topic 5 <ul style="list-style-type: none"> <input type="checkbox"/> Lambda Functions + Lab <input type="checkbox"/> Dealing with Missing Data + Lab
Pandas 3 — <i>Thurs 9.17</i> <ul style="list-style-type: none"> - Statistical Methods in Pandas - Stacking & Unstack 	<ul style="list-style-type: none"> <input type="checkbox"/> Pandas Groupby
Data Visualization — <i>Fri 9.17</i> <ul style="list-style-type: none"> - Data Visualization – Introduction - Customizing Visualizations and Matplotlib - Data Visualization – Best Practices and Common Mistakes 	Topic 6 <ul style="list-style-type: none"> <input type="checkbox"/> Customizing Visualizations with Matplotlib + Lab