BDM 1034 - Application Design for Big Data
Lab5
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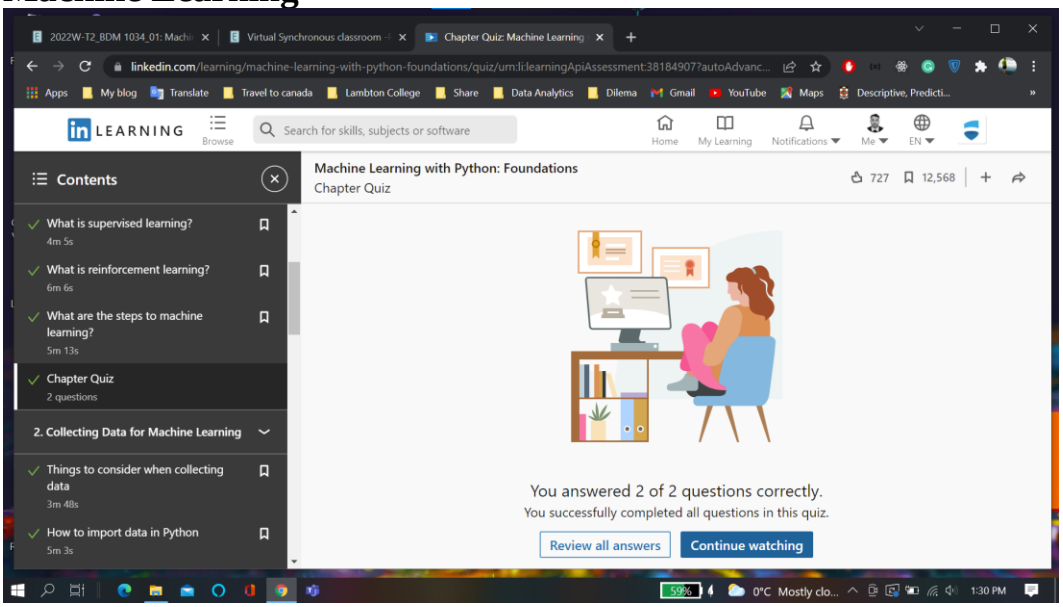
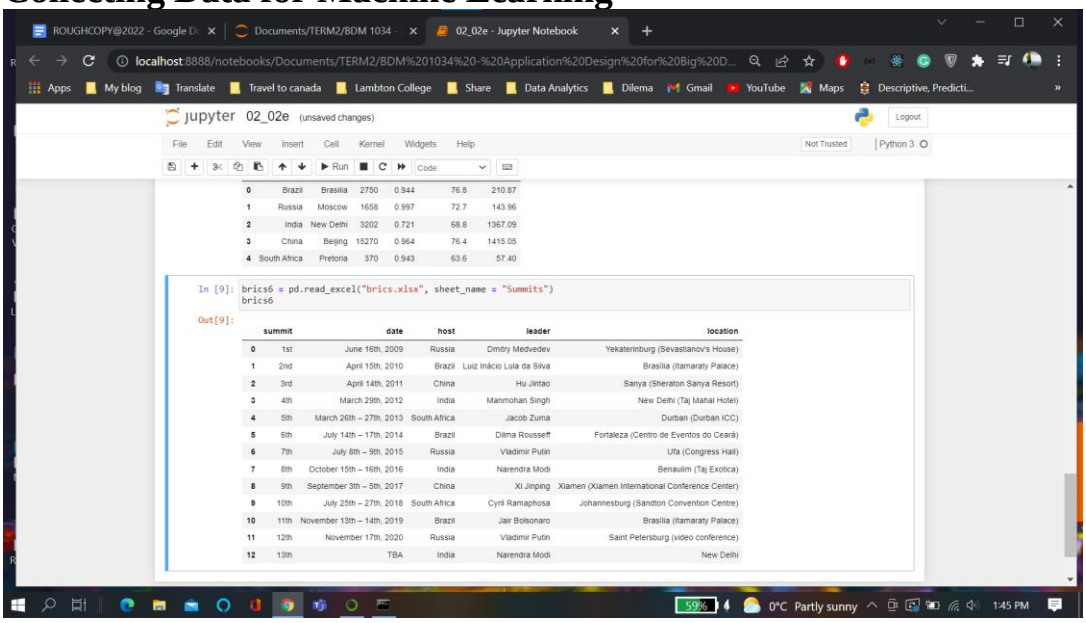
Submitted to: Prof. Teresa Zhu

Here I have attached the certificate I achieved from Linkedin learning for Course "**Machine Learning with Python: Foundations"** along with the Screenshot of score I achieved

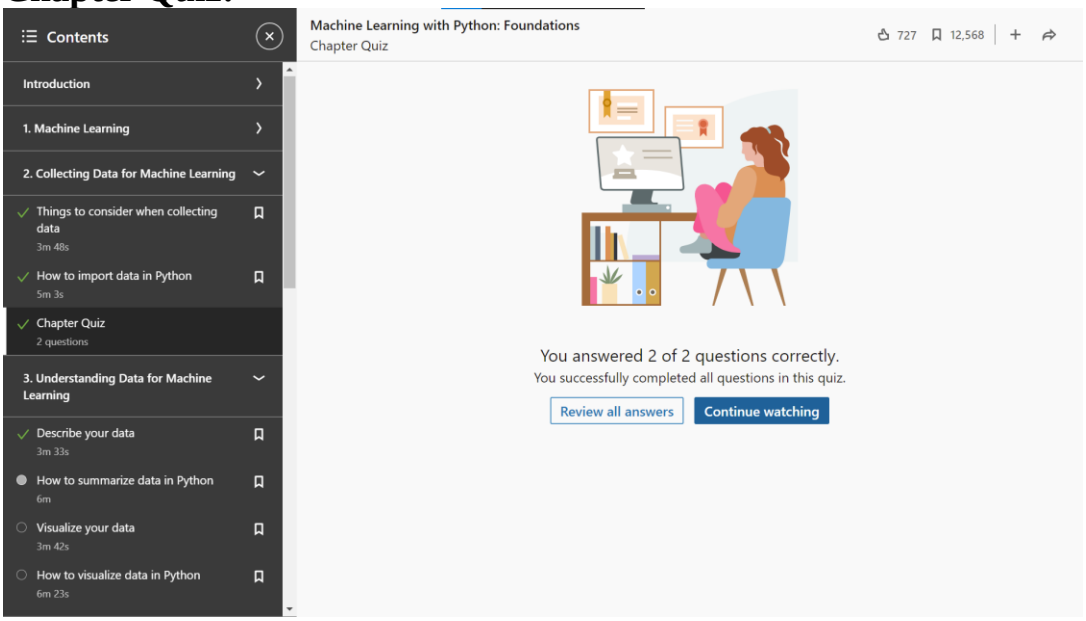
Chapter 1:
Machine Learning



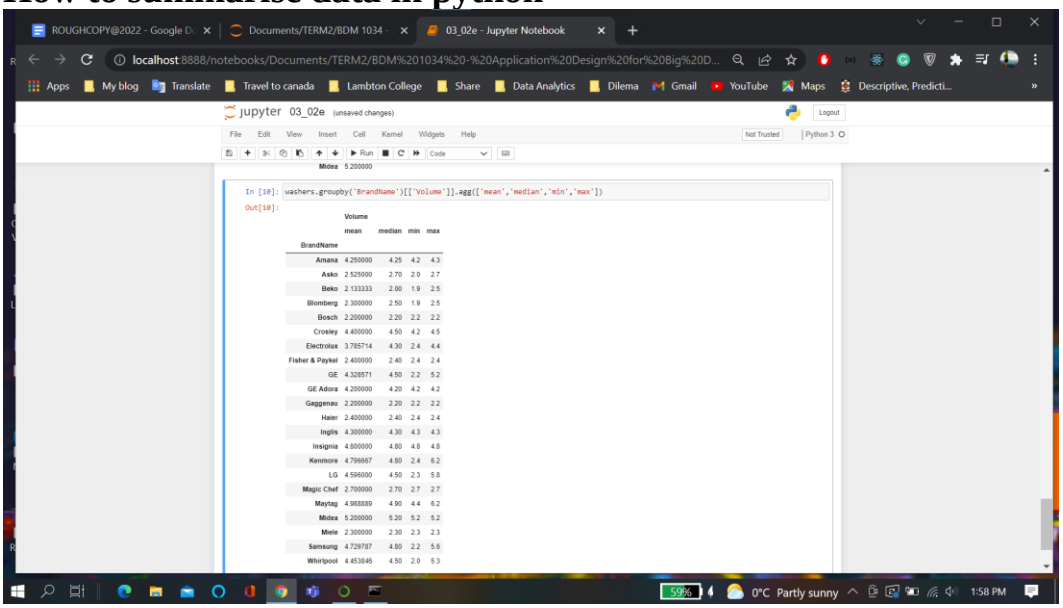
Chapter 2
Collecting Data for Machine Learning



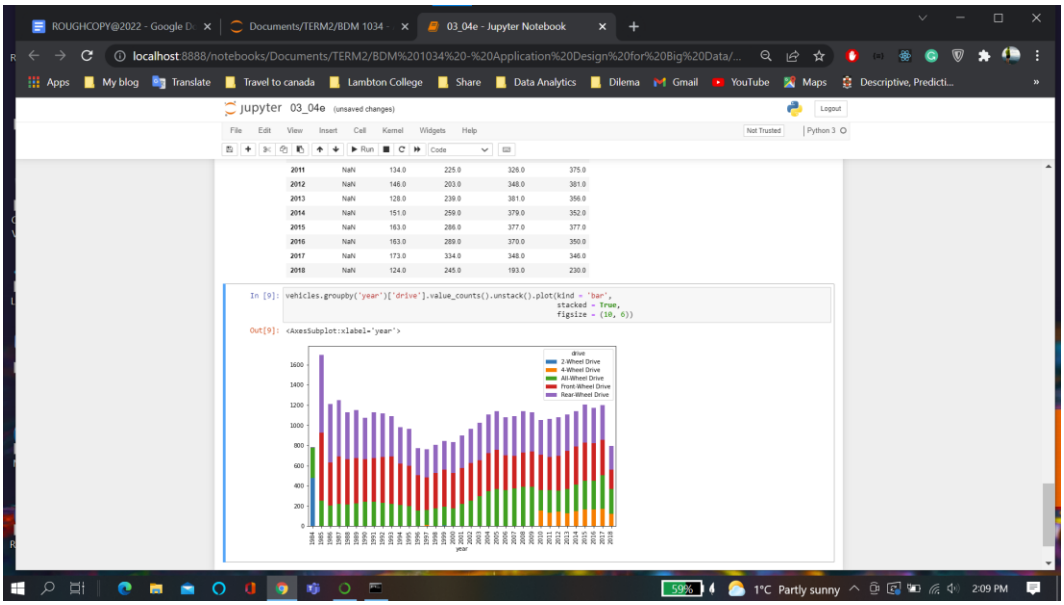
Chapter Quiz:



Chapter 3:
How to summarise data in python

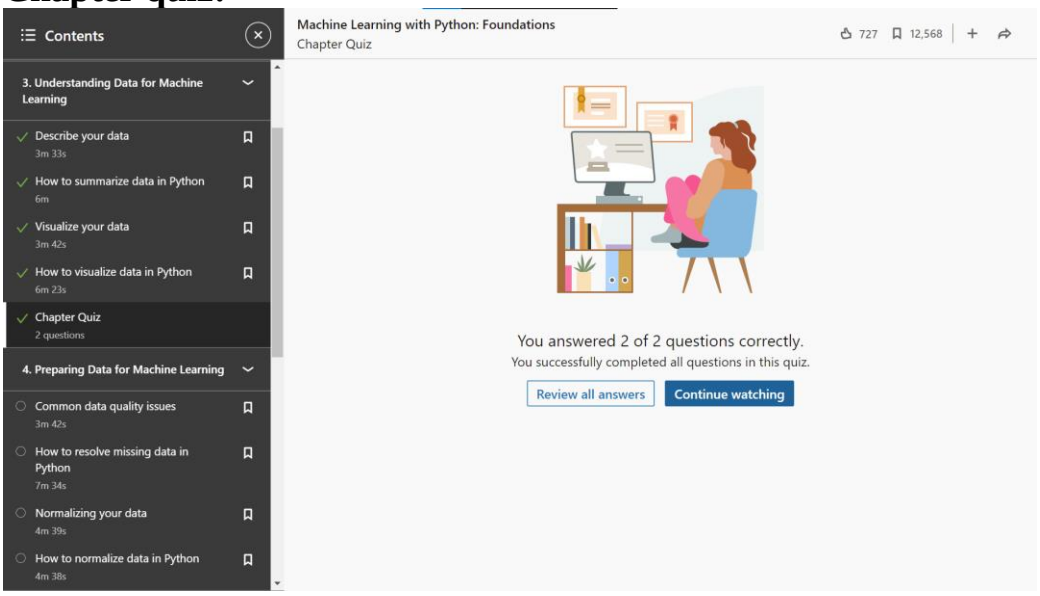


BrandName	Volume			
	mean	median	min	max
Amana	4.250000	4.25	4.2	4.3
Asko	2.525000	2.70	2.0	2.7
Beko	2.133333	2.00	1.9	2.5
Blomberg	2.300000	2.50	1.9	2.5
Bosch	2.200000	2.20	2.2	2.2
Crosley	4.400000	4.50	4.2	4.5
Electrolux	3.785714	4.30	2.4	4.4
Fisher & Paykel	2.400000	2.40	2.4	2.4
GE	4.328571	4.50	2.2	5.2
GE Adora	4.200000	4.20	4.2	4.2
Gaggenau	2.200000	2.20	2.2	2.2
Haier	2.400000	2.40	2.4	2.4
Inglis	4.300000	4.30	4.3	4.3
Insignia	4.800000	4.80	4.8	4.8
Kenmore	4.766667	4.80	2.4	6.2
LG	4.596000	4.50	2.3	5.8
Magic Chef	2.700000	2.70	2.7	2.7
Maytag	4.988889	4.90	4.4	6.2
Midea	5.200000	5.20	5.2	5.2
Miele	2.300000	2.30	2.3	2.3
Samsung	4.729787	4.80	2.2	5.6
Whirlpool	4.453846	4.50	2.0	5.3

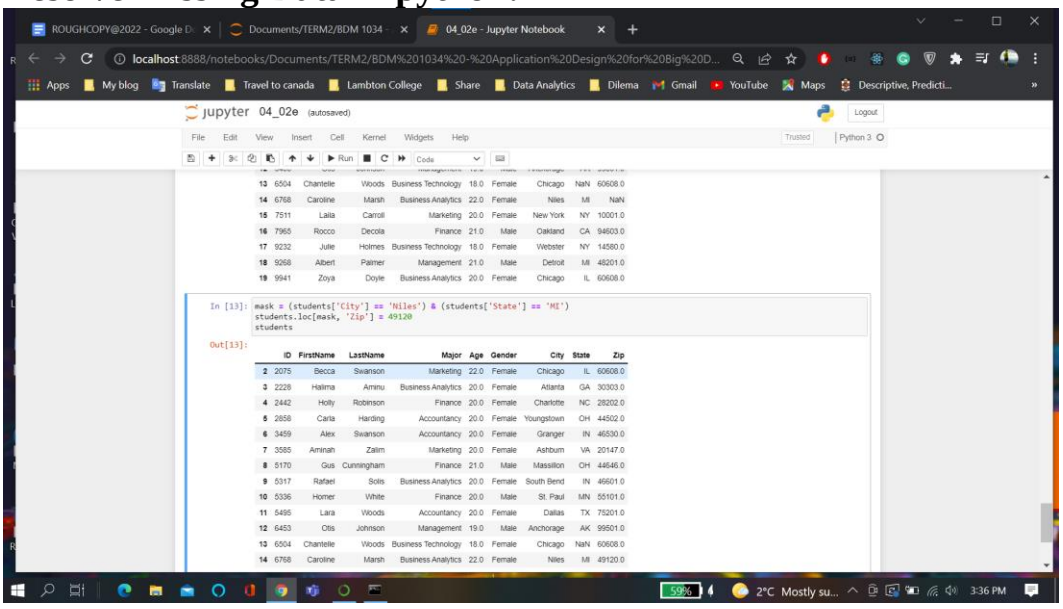


2011	NaN	134.0	225.0	326.0	375.0
2012	NaN	146.0	203.0	348.0	381.0
2013	NaN	128.0	239.0	381.0	356.0
2014	NaN	151.0	259.0	379.0	352.0
2015	NaN	163.0	286.0	377.0	377.0
2016	NaN	163.0	289.0	370.0	350.0
2017	NaN	173.0	334.0	348.0	346.0
2018	NaN	124.0	245.0	193.0	230.0

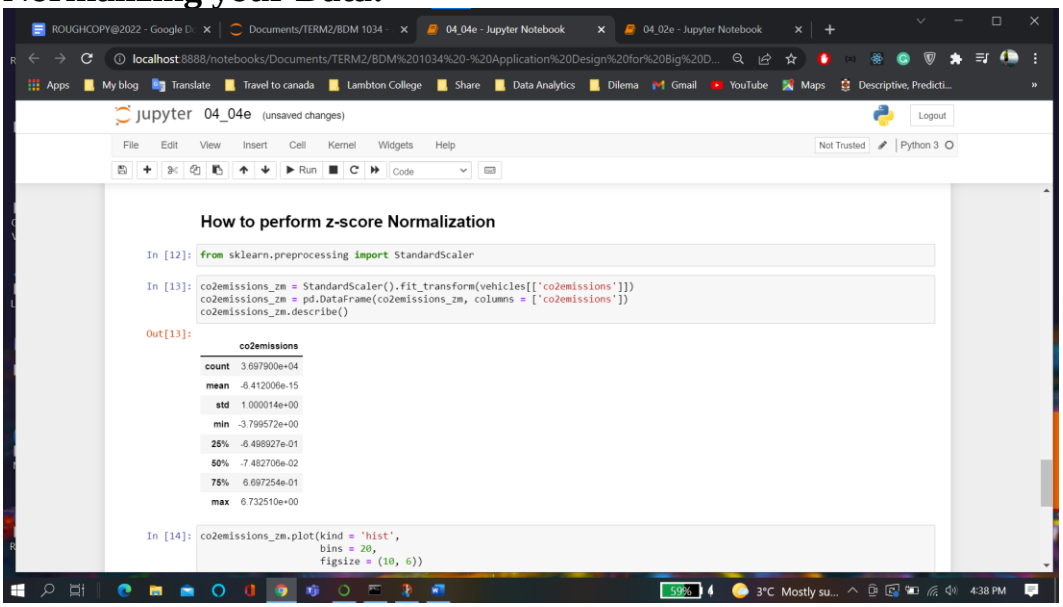
Chapter quiz:



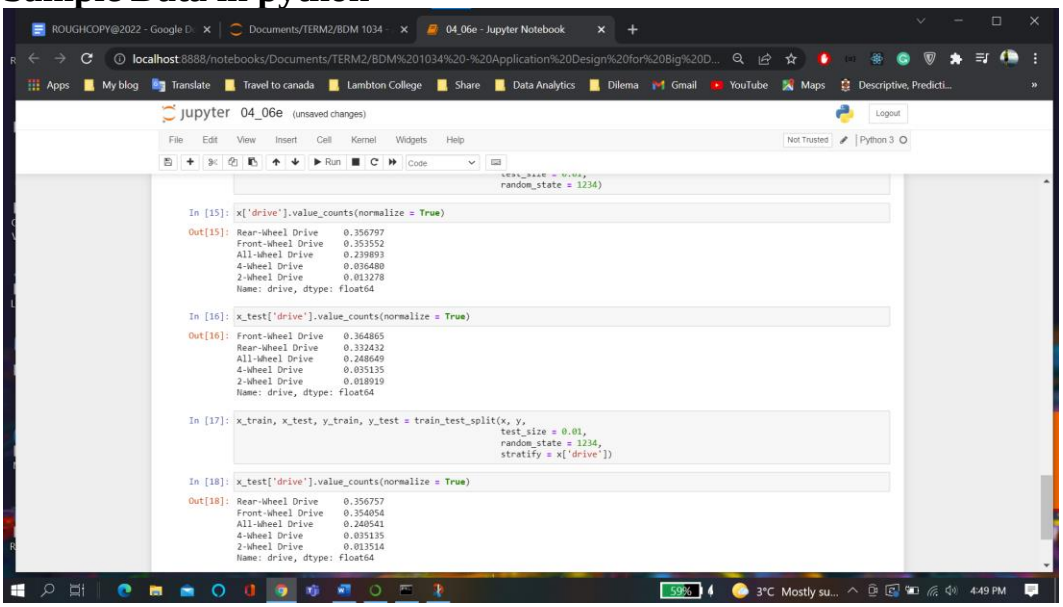
Chapter 4:
Resolve Missing Data in python:



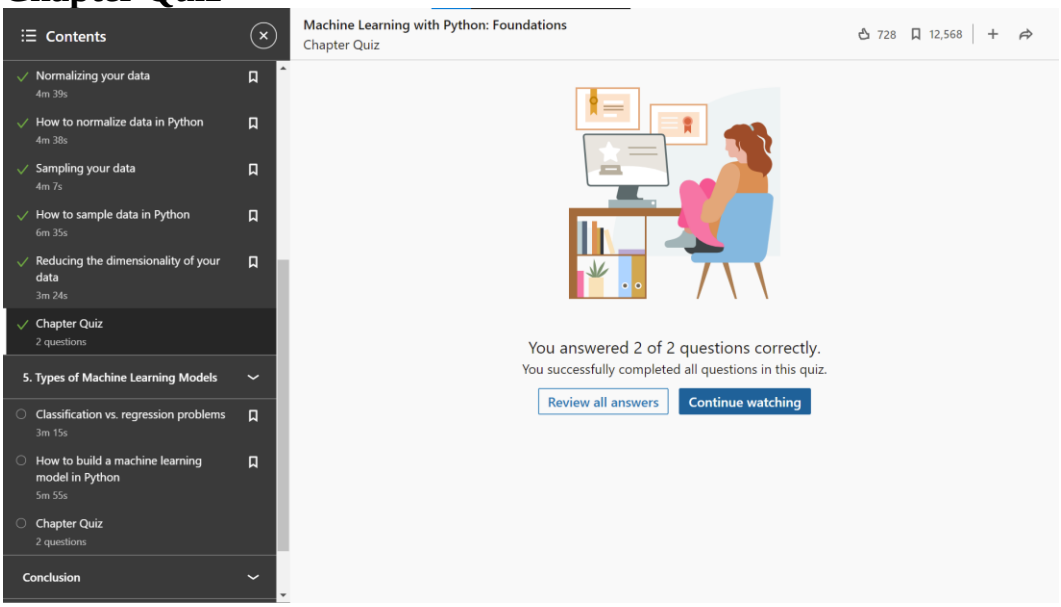
Normalizing your Data:



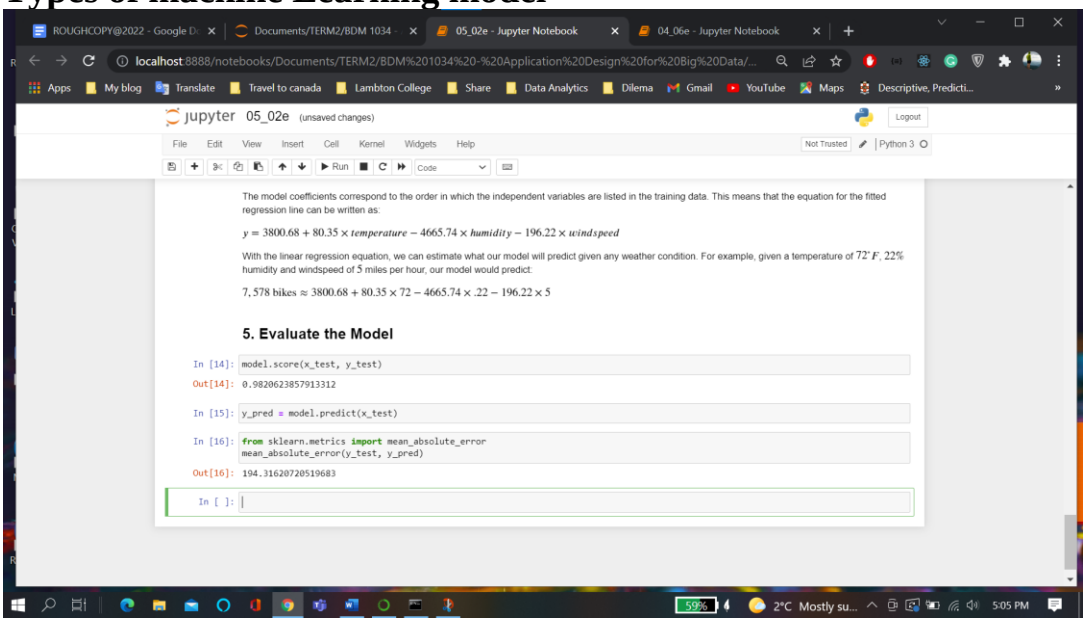
Sample Data in python



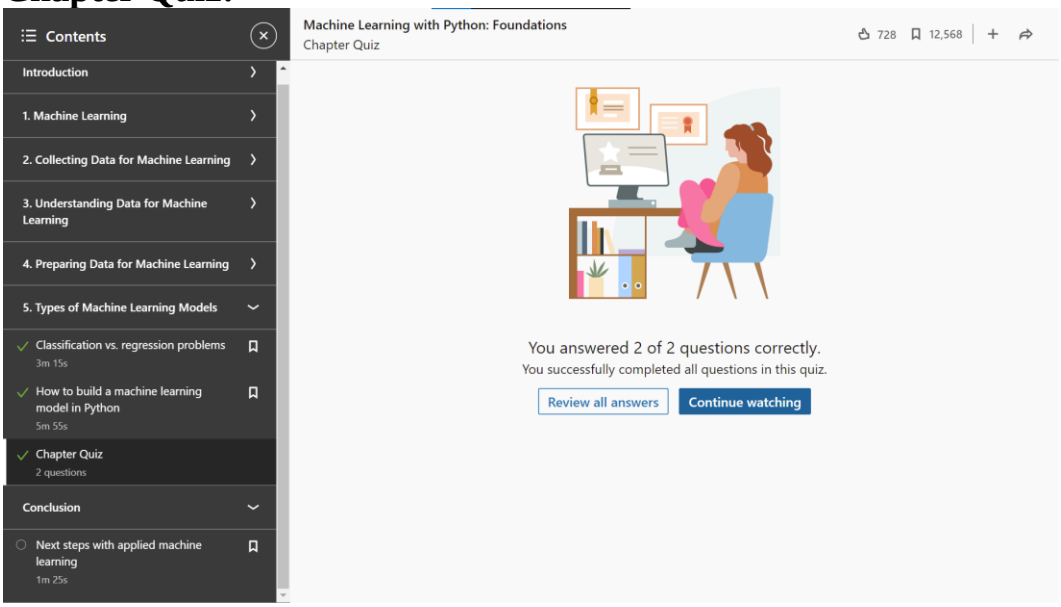
Chapter Quiz



Chapter 5:
Types of machine Learning model



Chapter Quiz:



Course Completion Certificate: