

#### Topic 4:

I coded in Python 3.5.0 using Spyder IDE

I first found value of spearman correlation matrix using scipy library.

Correlation Matrix=

	0	1	2	3	4
0	1	0.272204	0.0298993	-0.0345133	0.465908
1	0.272204	1	-0.121601	-0.077155	0.112904
2	0.0298993	-0.121601	1	-0.222757	-0.0809652
3	-0.0345133	-0.077155	-0.222757	1	0.157705
4	0.465908	0.112904	-0.0809652	0.157705	1

P =

	0	1	2	3	4
0	0	0.00614849	0.767764	0.733182	1.03483e-06
1	0.00614849	0	0.228125	0.445471	0.263385
2	0.767764	0.228125	0	0.025905	0.423254
3	0.733182	0.445471	0.025905	0	0.117105
4	1.03483e-06	0.263385	0.423254	0.117105	0

	Liking Score	Saltiness	Sweetness	Acidity	Crunchiness
Liking Score	1	0.272	0.03	0.035	0.466
Saltiness	0.272	1	0.122	0.077	0.113
Sweetness	0.03	0.122	1	0.223	0.081
Acidity	0.035	0.077	0.223	1	0.158
Crunchiness	0.466	0.113	0.081	0.158	1

It shows same as Correlation matrix without any +, - ve signs