ASSIGNMENT - 1

INTRODUCTION TO ENVIRONMENTAL DATA ANALYSIS

By

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June 28, 2019

	Measurements										Calculations		
#	1	2	3	4	5	6	7	8	9	10	Mean	S.dev	S. err
1	33.2	35	25.5	23.6	41.8	27.3	31.8	31.4	26.4	33.4	30.94	5.41	1.71
2	38.3	37.9	26.4	23.2	39.1	36.4	30	29.9	27.9	24.4	31.35	6.07	1.92
3	33.2	35.2	30.6	22.5	24.7	25.5	28.7	33.6	24.6	29.3	28.79	4.37	1.38
4	36.3	30.7	28.9	28	30	9	42.2	29.9	25.4	24	28.44	8.61	2.72
5	40.6	28.8	33.7	23.7	35.1	9.4	30.9	33.3	28.8	23.5	28.78	8.55	2.7
6	33.1	36.6	28.1	21.9	33.9	29.5	22.1	25.8	26	25.2	28.22	5	1.58
7	37.5	27	35.2	12.9	35.7	37.3	36.8	28.3	27	23.3	30.1	7.98	2.52
8	46.2	29.1	24	12.6	33.3	28.9	40.6	37.1	25.2	26.9	30.39	9.48	3
9	33	33.2	25.6	14.7	36	27.5	31.4	35.9	27.7	27.5	29.25	6.3	1.99
10	37.8	29	32.8	13.3	30.5	7.7	29	26.1	24.6	26.1	25.69	8.94	2.83
11	41.6	30.2	23.8	17.9	32.1	30.6	5.9	25.7	24.8		25.84	9.97	3.15
12	49.5	28.5	26.8	19.5	33.7	39.3	30.9	31.9	26.9		31.89	8.55	2.7
13	36	34.8	23.3	36.9	30.5	29.3	33.2	28.3	23.1		30.6	5.12	1.62
14	45.7	26.7	33.3	38.8	30.9	37	38.1	32.6	24.9		34.22	6.46	2.04

5.108	16.484	29.594	53.876	117.94	13.25	0.74	0.212	20.612	6.052
48.303	42.903	24.502	66.422	60.063	25.503	1.822	2.102	11.902	48.302
19.448	41.088	3.276	39.564	16.728	10.824	0.008	23.136	17.556	0.26
61.78	5.108	0.212	0.194	2.434	377.914	189.338	2.132	9.242	19.714
139.712	0	24.206	25.806	39.942	375.584	4.494	20.43	0	27.878
23.814	70.224	0.014	39.942	32.262	1.638	37.454	5.856	4.928	9.119
54.76	9.609	26.01	295.84	31.36	51.84	44.89	3.24	9.609	46.24
249.956	1.664	40.832	316.484	8.468	2.22	104.244	45.024	26.936	12.18
14.063	15.603	13.322	211.703	45.563	3.063	4.622	44.222	2.403	3.063
146.652	10.956	50.552	153.512	23.136	323.64	10.956	0.168	1.188	0.168
248.238	18.971	4.18	63.114	39.132	22.615	397.781	0.021	1.091	
310.151	11.485	25.897	153.485	3.28	54.925	0.978	0	24.889	
29.16	17.64	53.29	39.69	0.01	1.69	6.76	5.29	56.25	
131.739	56.584	0.85	20.956	11.037	7.716	15.037	2.632	86.904	

5.9 .... 49.5

x

0.3

0.2

0.1

0

0.683

0.954

$\mu - 2\sigma$ $\mu - \sigma$ μ

x