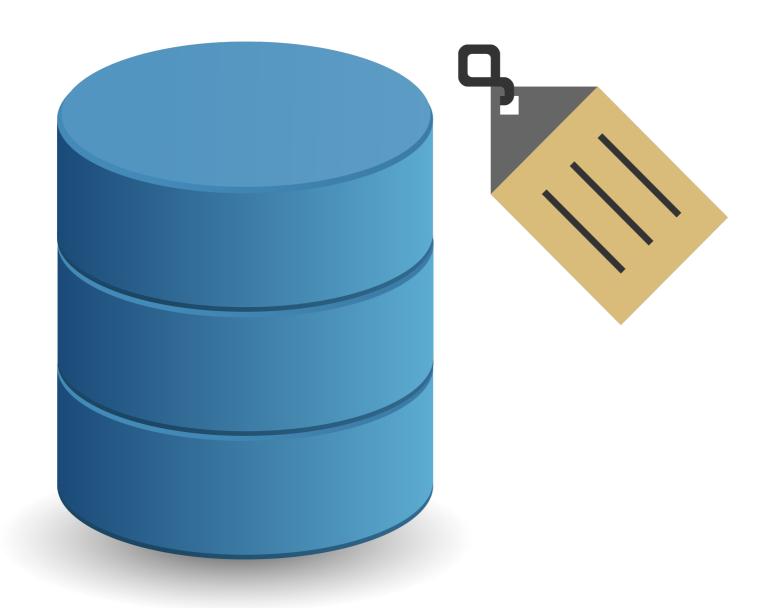
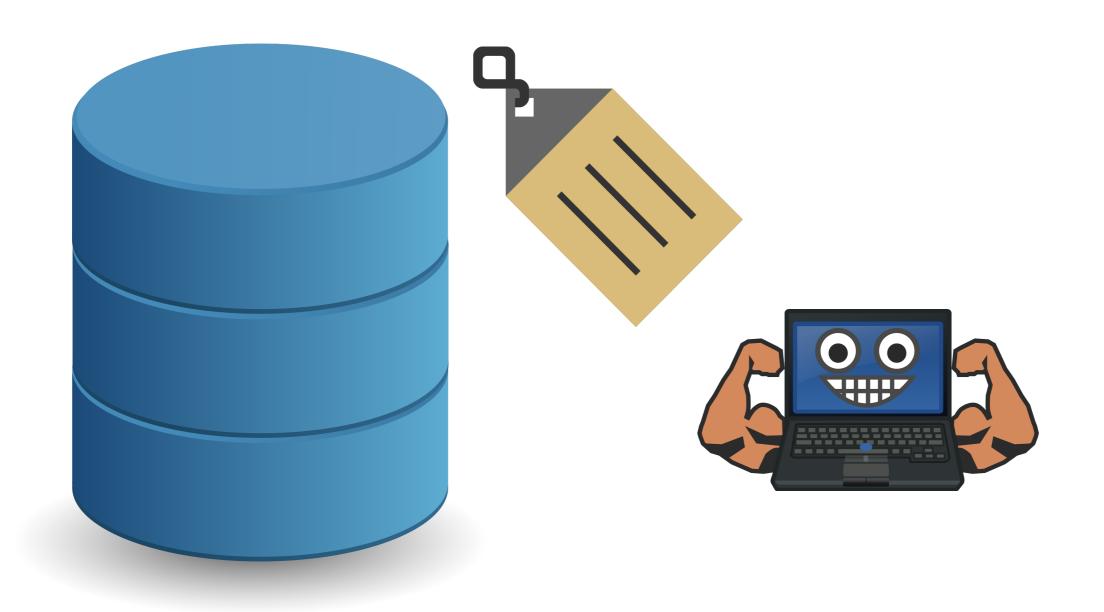
Supervised vs. Unsupervised Machine Learning

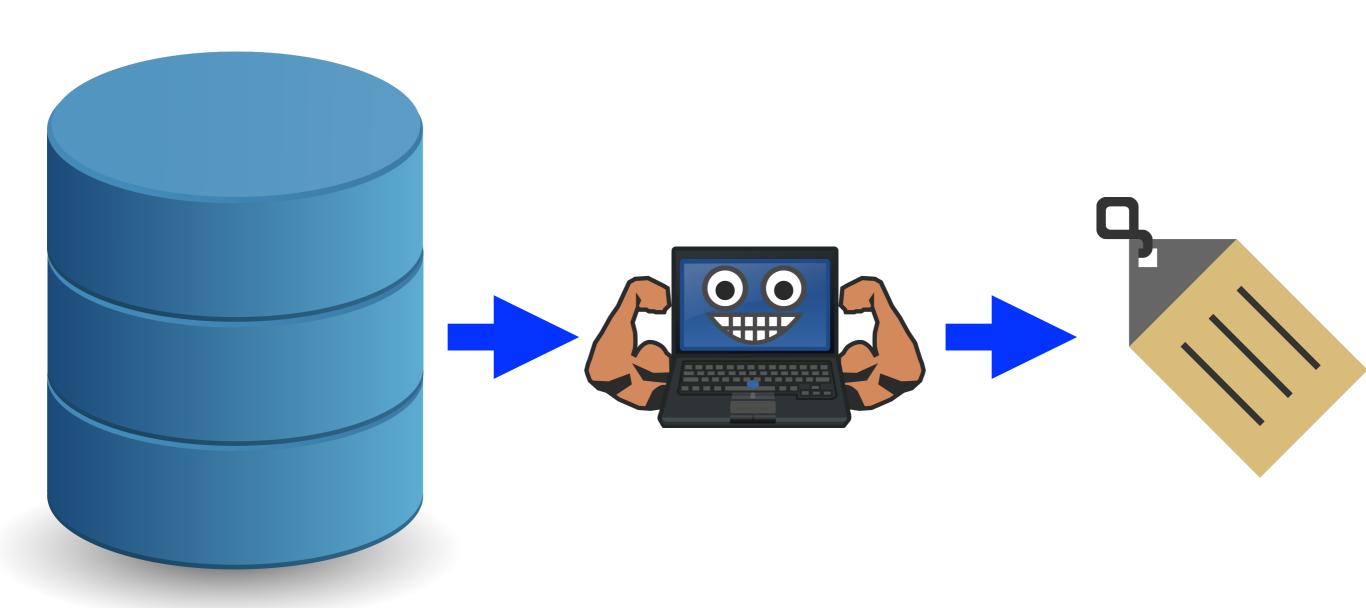


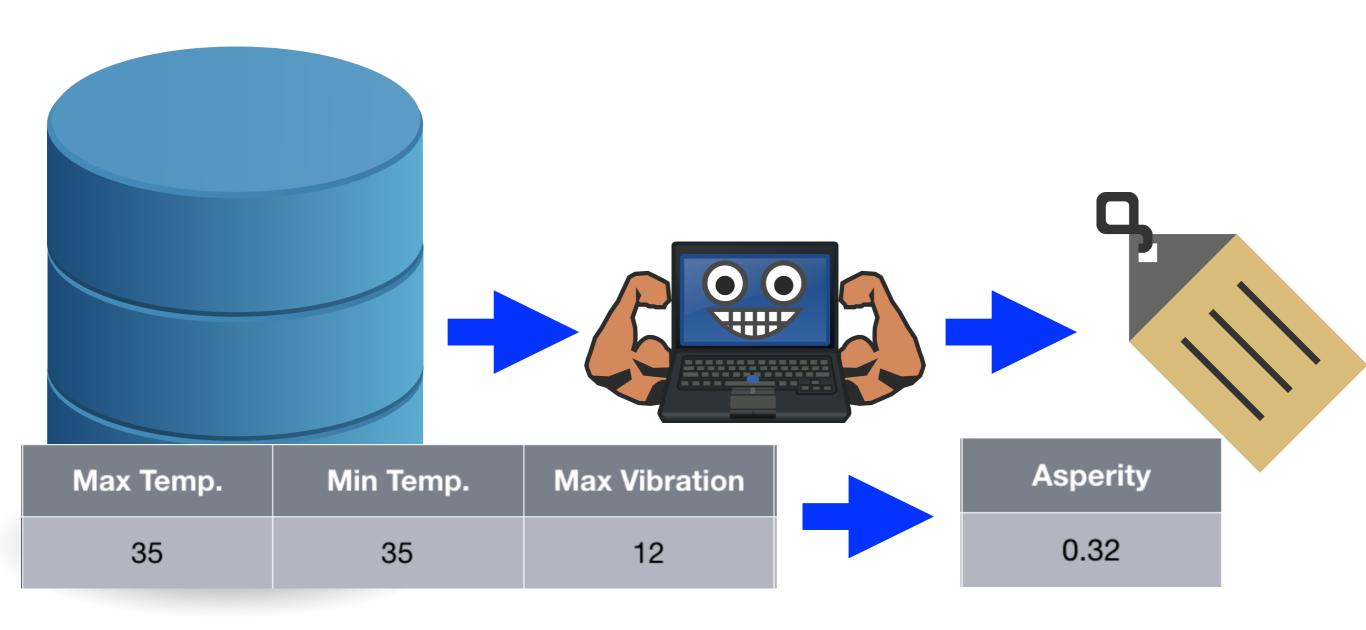


Part No.	Max Temp.	Min Temp.	Max Vibration	Asperity
100	35	35	12	0.32
101	46	35	21	0.34
130	56	46	3412	12.42
131	58	48	3542	13.43

Part No.	Max Temp.	Min Temp.	Max Vibration	Asperity
100	35	35	12	0.32
101	46	35	21	0.34
130	56	46	3412	12.42
131	58	48	3542	13.43



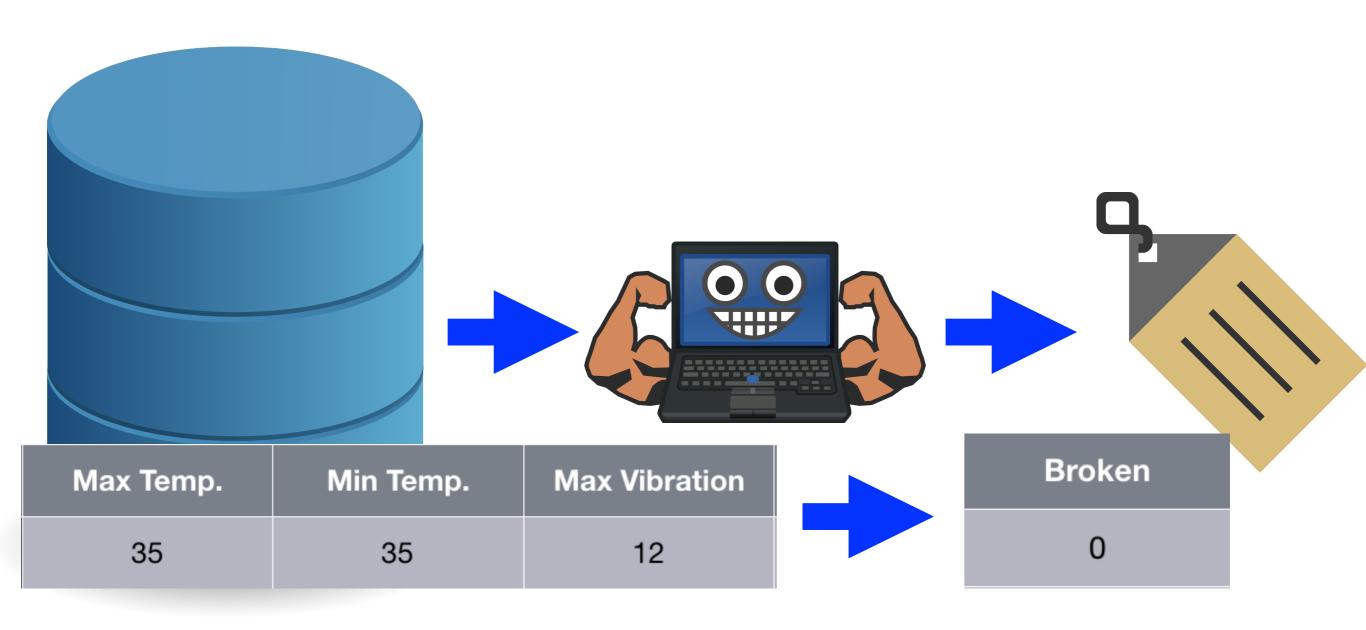




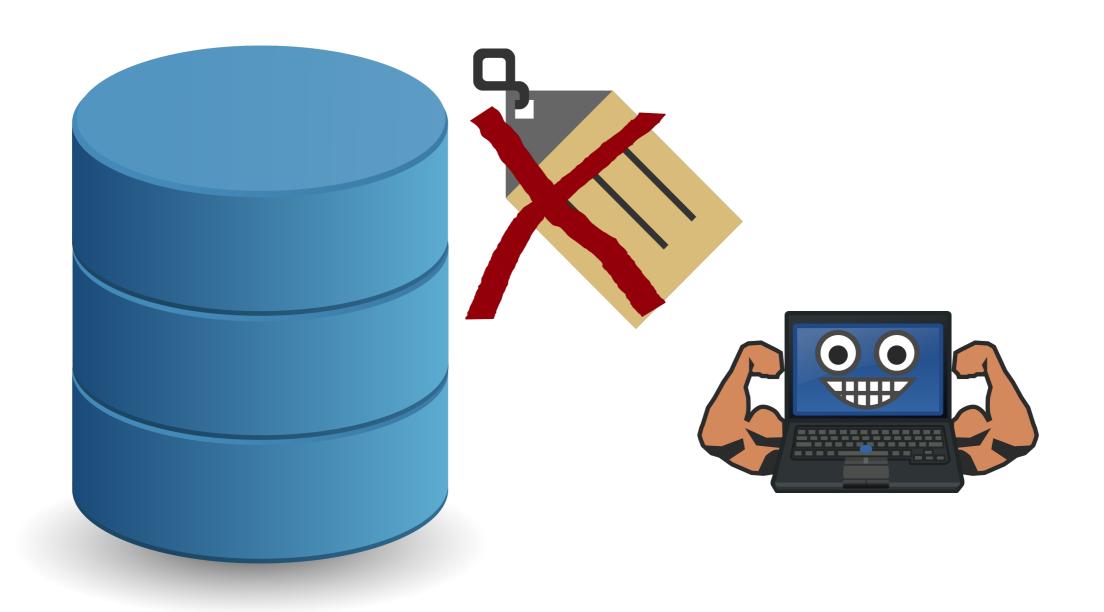
REGRESSION

Part No.	Max Temp.	Min Temp.	Max Vibration	Broken
100	35	35	12	0
101	46	35	21	0
130	56	46	3412	1
131	58	48	3542	1

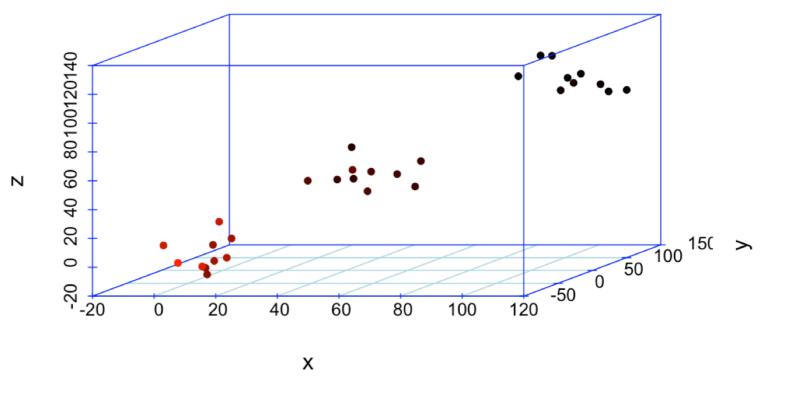
Part No.	Max Temp.	Min Temp.	Max Vibration	Broken
100	35	35	12	0
101	46	35	21	0
130	56	46	3412	1
131	58	48	3542	1



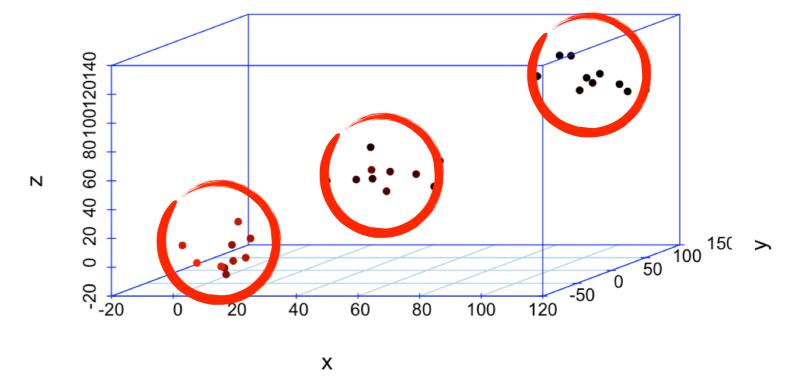
CLASSIFICATION



	x	y	z
1	12.023134	2.007811	-2.585383
2	3.026154	13.838964	-16.336155
3	-6.510926	-7.130590	7.543117
4	2.169417	-24.992197	-1.447894
5	11.366611	-6.164568	23.800473
6	6.593015	6.281732	5.560542
7	3.828445	7.870294	-10.695738
8	6.798550	-10.419181	-6.481363
9	7.228387	5.266049	-5.395895
10	12.683123	6.010962	10.024605
11	41.405809	54.944957	42.812644
12	48.697385	47.911264	48.977688

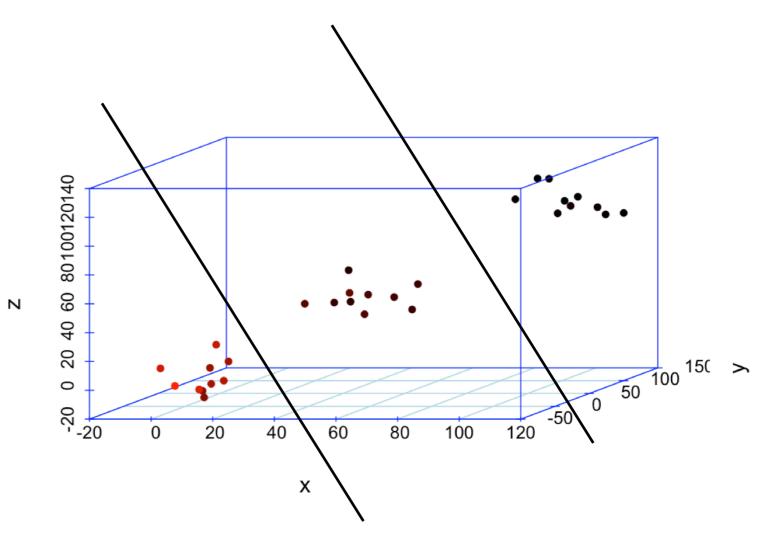


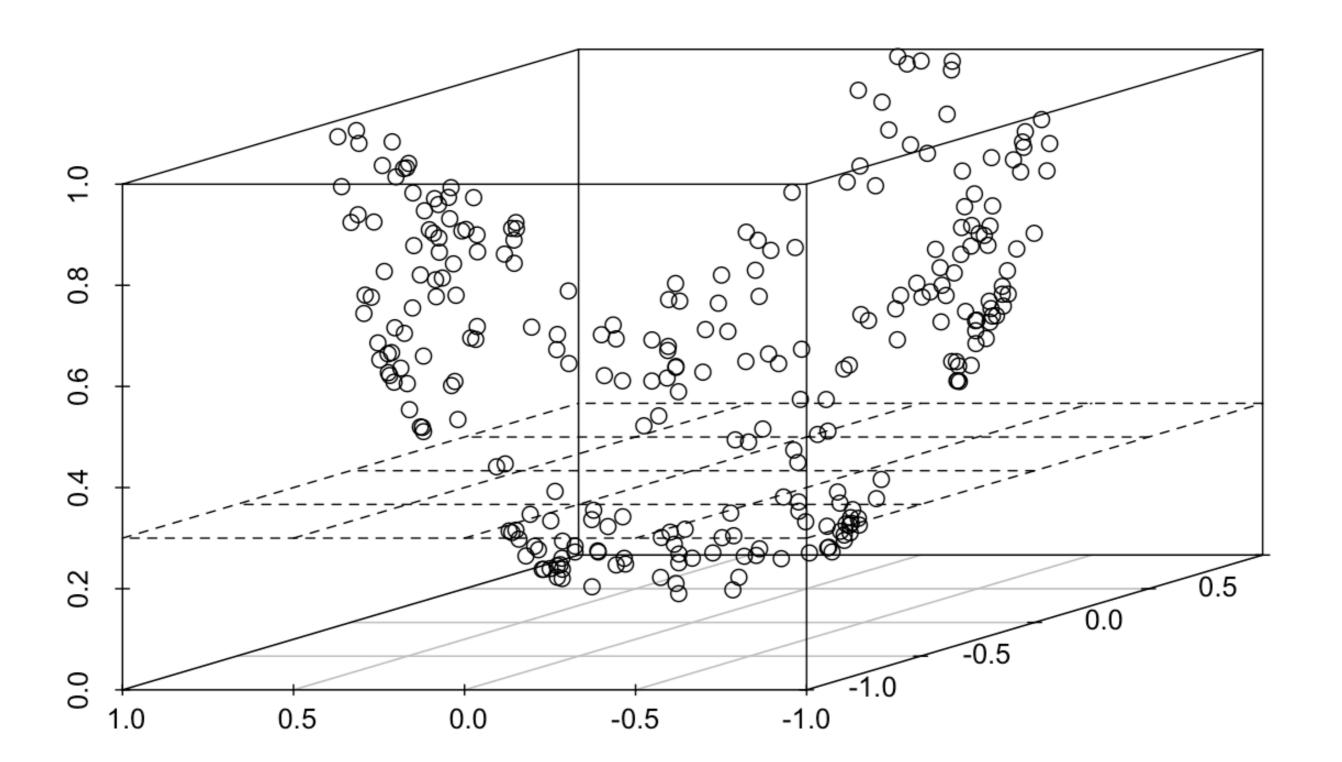
	x	y	z
1	12.023134	2.007811	-2.585383
2	3.026154	13.838964	-16.336155
3	-6.510926	-7.130590	7.543117
4	2.169417	-24.992197	-1.447894
5	11.366611	-6.164568	23.800473
6	6.593015	6.281732	5.560542
7	3.828445	7.870294	-10.695738
8	6.798550	-10.419181	-6.481363
9	7.228387	5.266049	-5.395895
10	12.683123	6.010962	10.024605
11	41.405809	54.944957	42.812644
12	48.697385	47.911264	48.977688

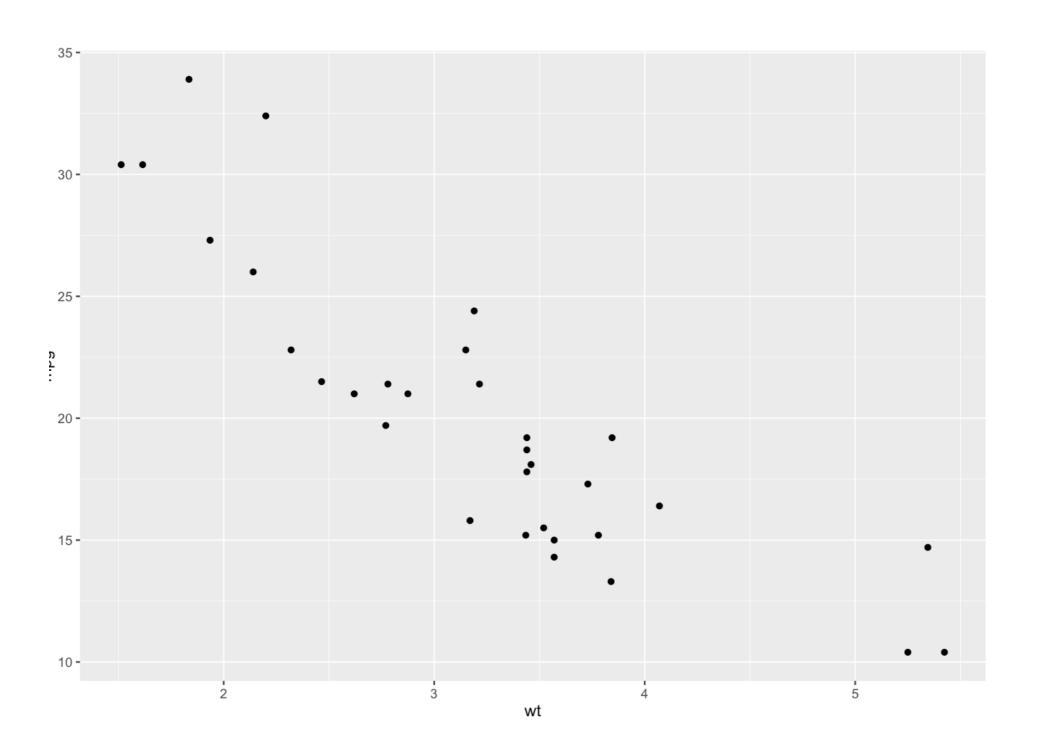


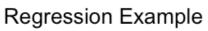
CLUSTERING

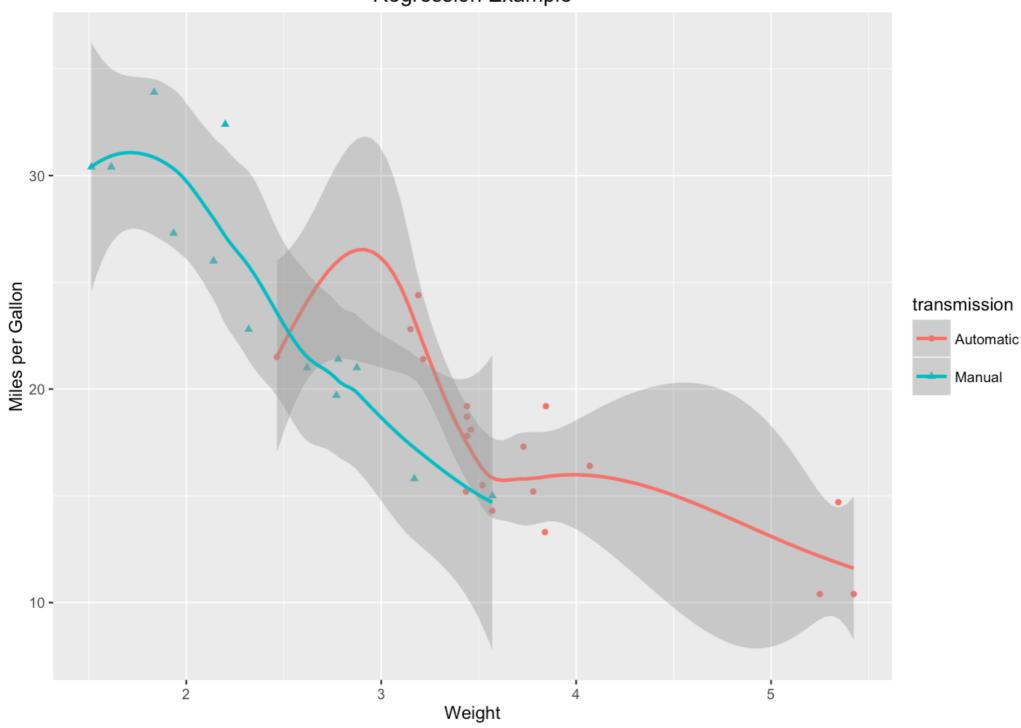
	x	y	z
1	12.023134	2.007811	-2.585383
2	3.026154	13.838964	-16.336155
3	-6.510926	-7.130590	7.543117
4	2.169417	-24.992197	-1.447894
5	11.366611	-6.164568	23.800473
6	6.593015	6.281732	5.560542
7	3.828445	7.870294	-10.695738
8	6.798550	-10.419181	-6.481363
9	7.228387	5.266049	-5.395895
10	12.683123	6.010962	10.024605
11	41.405809	54.944957	42.812644
12	48.697385	47.911264	48.977688











	a ‡	b	x	y	z [‡]
1	2.704474	10.439682	12.023134	2.007811	-2.585383
2	-11.916117	4.801330	3.026154	13.838964	-16.336155
3	3.571331	-2.491360	-6.510926	-7.130590	7.543117
4	-23.055423	-5.566803	2.169417	-24.992197	-1.447894
5	21.929361	2.596864	11.366611	-6.164568	23.800473
6	-2.530668	6.794442	6.593015	6.281732	5.560542
7	13.117871	-7.576513	3.828445	7.870294	-10.695738
8	6.907686	-5.054841	6.798550	-10.419181	-6.481363
9	-17.803712	-11.644156	7.228387	5.266049	-5.395895
10	10.906980	2.972736	12.683123	6.010962	10.024605
11	49.895619	54.284747	41.405809	54.944957	42.812644
12	54.060665	59.723532	48.697385	47.911264	48.977688

DIMENSION REDUCTION

Summary