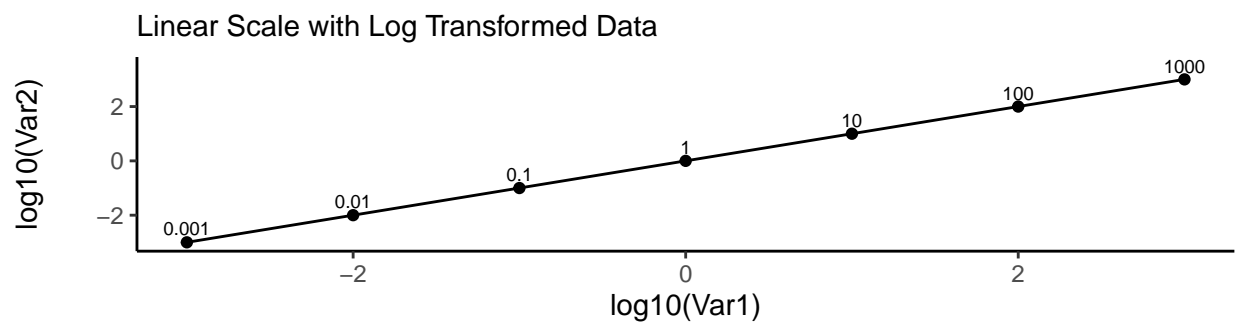
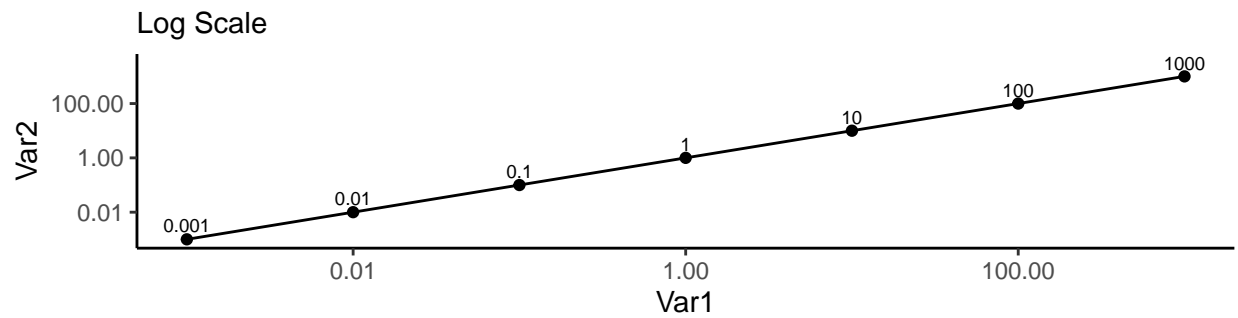
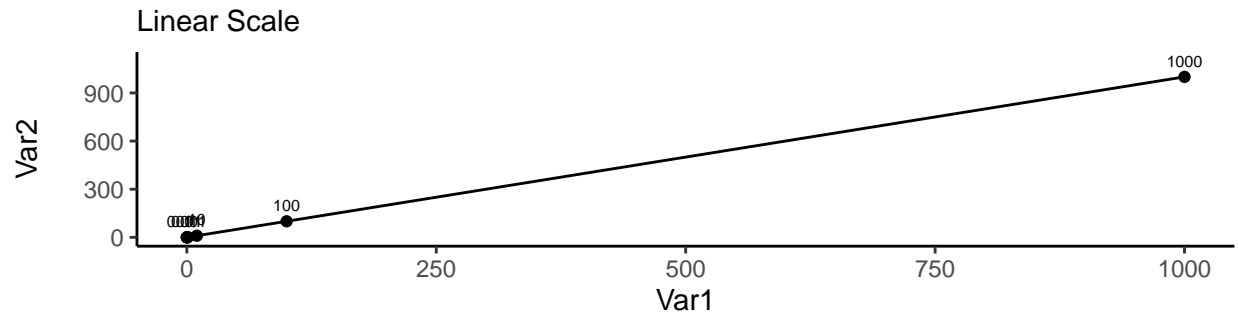


Linear versus Log Scales and Log Tranformations

1/31/2023

Synthetic Data

##	Var1	Var2	logVar1	logVar2
## 1	0.001	0.001	-3	-3
## 2	0.010	0.010	-2	-2
## 3	0.100	0.100	-1	-1
## 4	1.000	1.000	0	0
## 5	10.000	10.000	1	1
## 6	100.000	100.000	2	2
## 7	1000.000	1000.000	3	3



Experimental Data

Supporting information for White and Seymour (2003) Proc. Natl. Acad. Sci. USA, 10.1073/pnas.0436428100

##	Family	Species	Mass	Temp	BMR	BMR/Mass
## 1	Cervidae	Alces alces	325000	38.6	51419	0.1582123
## 2	Cervidae	Odocoileus virginianus	58588	39.0	25609	0.4371032
## 3	Tayassuidae	Pecari tajacu	20500	37.5	5945	0.2900000
## 4	Canidae	Alopex lagopus	3600	38.6	1374	0.3816667
## 5	Canidae	Canis latrans	10000	37.0	2687	0.2687000
## 6	Canidae	Canis mesomelas	7720	38.0	3860	0.5000000

##	Family	Species	Mass	Temp	BMR	BMR/Mass
## 206	Muridae	Phyllotis darwini darwini	59.0	36.2	71.4	1.210169
## 207	Muridae	Phyllotis darwini rupestris	36.0	37.1	45.4	1.261111
## 208	Muridae	Phyllotis xanthopygus	55.0	37.3	56.7	1.030909
## 209	Muridae	Pseudomys gracilicaudatus	79.8	36.8	83.8	1.050125
## 210	Muridae	Pseudomys hermannsburgensis	12.2	37.8	23.3	1.909836
## 211	Muridae	Rattus fuscipes	76.0	37.5	84.4	1.110526

