

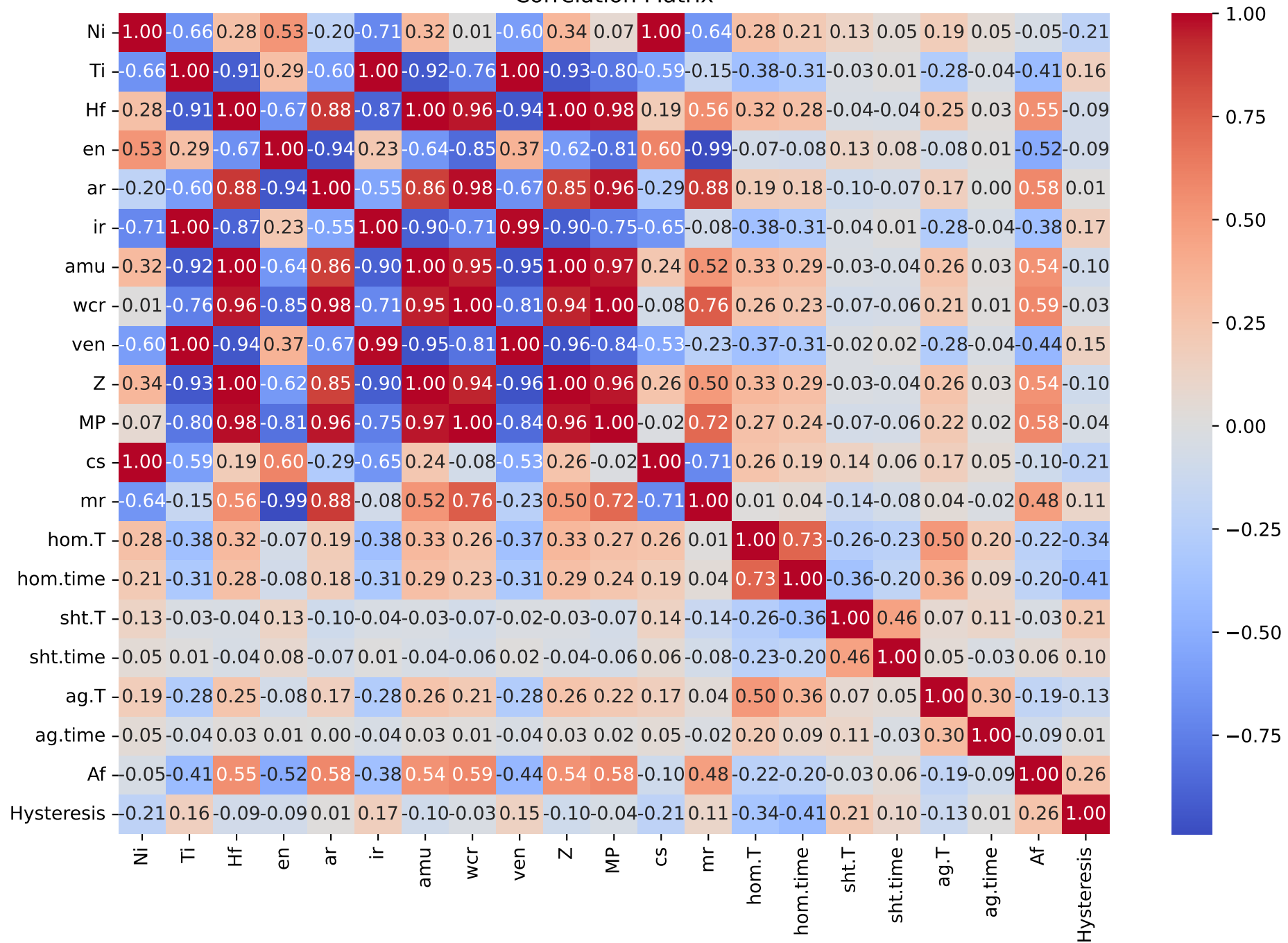
# EDA on the Hesma Data

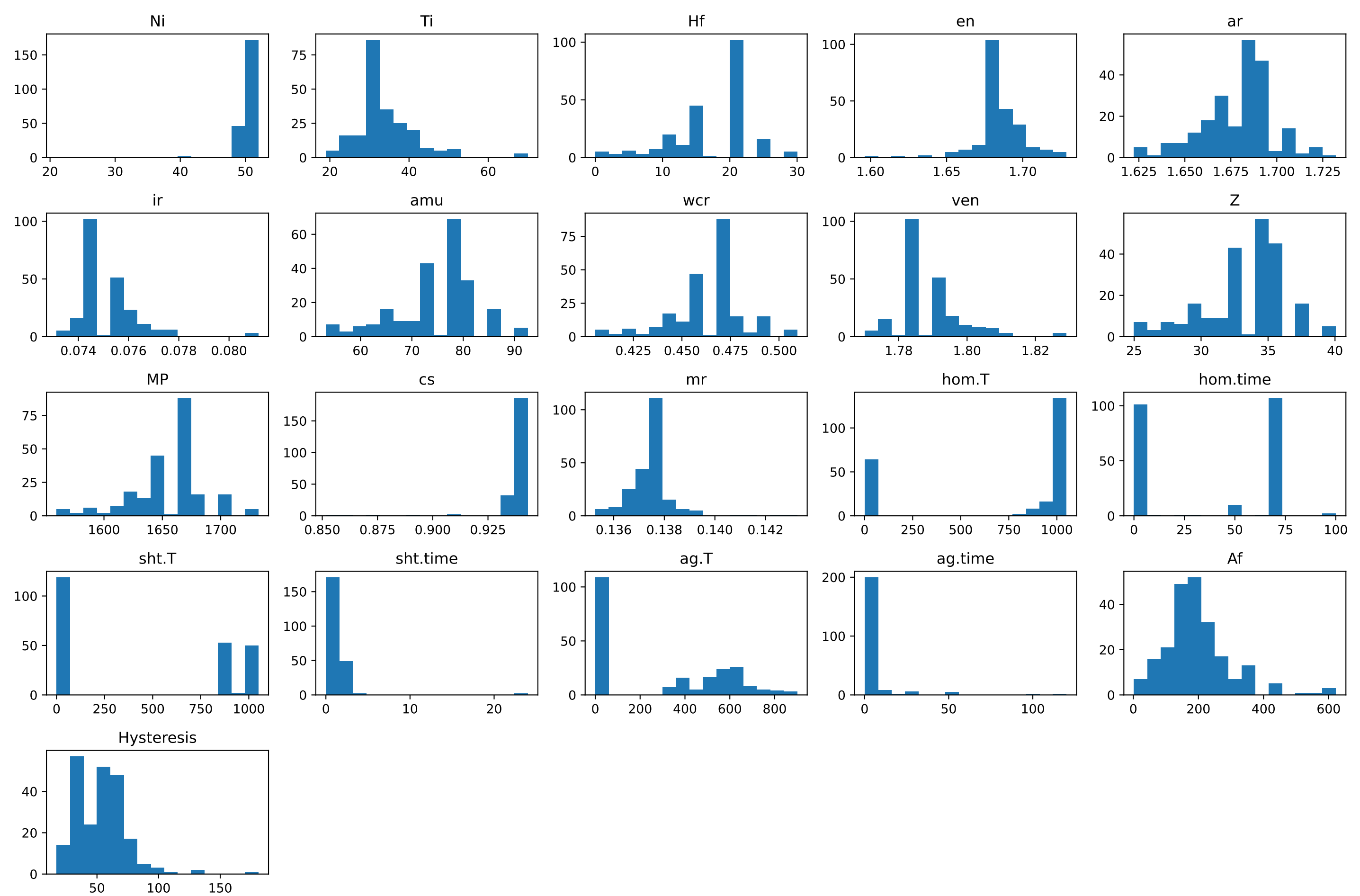
	Summary Statistics										
	Ni	Ti	Hf	en	ar	ir	amu	wcr	ven	Z	MP
count	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000	224.000000
mean	49.746964	33.586830	16.666205	1.684065	1.679015	0.075210	75.022019	0.464080	0.464080	0.464080	0.464080
std	3.371594	7.624387	5.961310	0.016144	0.018702	0.001137	7.896318	0.019462	0.019462	0.019462	0.019462
min	21.000000	19.000000	0.000000	1.596100	1.622300	0.073130	53.258360	0.405360	0.405360	0.405360	0.405360
25%	50.000000	29.400000	14.472500	1.678110	1.672190	0.074598	71.487600	0.457340	0.457340	0.457340	0.457340
50%	50.300000	29.900000	20.000000	1.679960	1.686570	0.074683	79.414820	0.473520	0.473520	0.473520	0.473520
75%	50.600000	36.275000	20.000000	1.690110	1.688190	0.075573	79.468920	0.474500	0.474500	0.474500	0.474500
max	52.000000	70.000000	30.000000	1.728700	1.732100	0.081170	92.574200	0.509328	0.509328	0.509328	0.509328

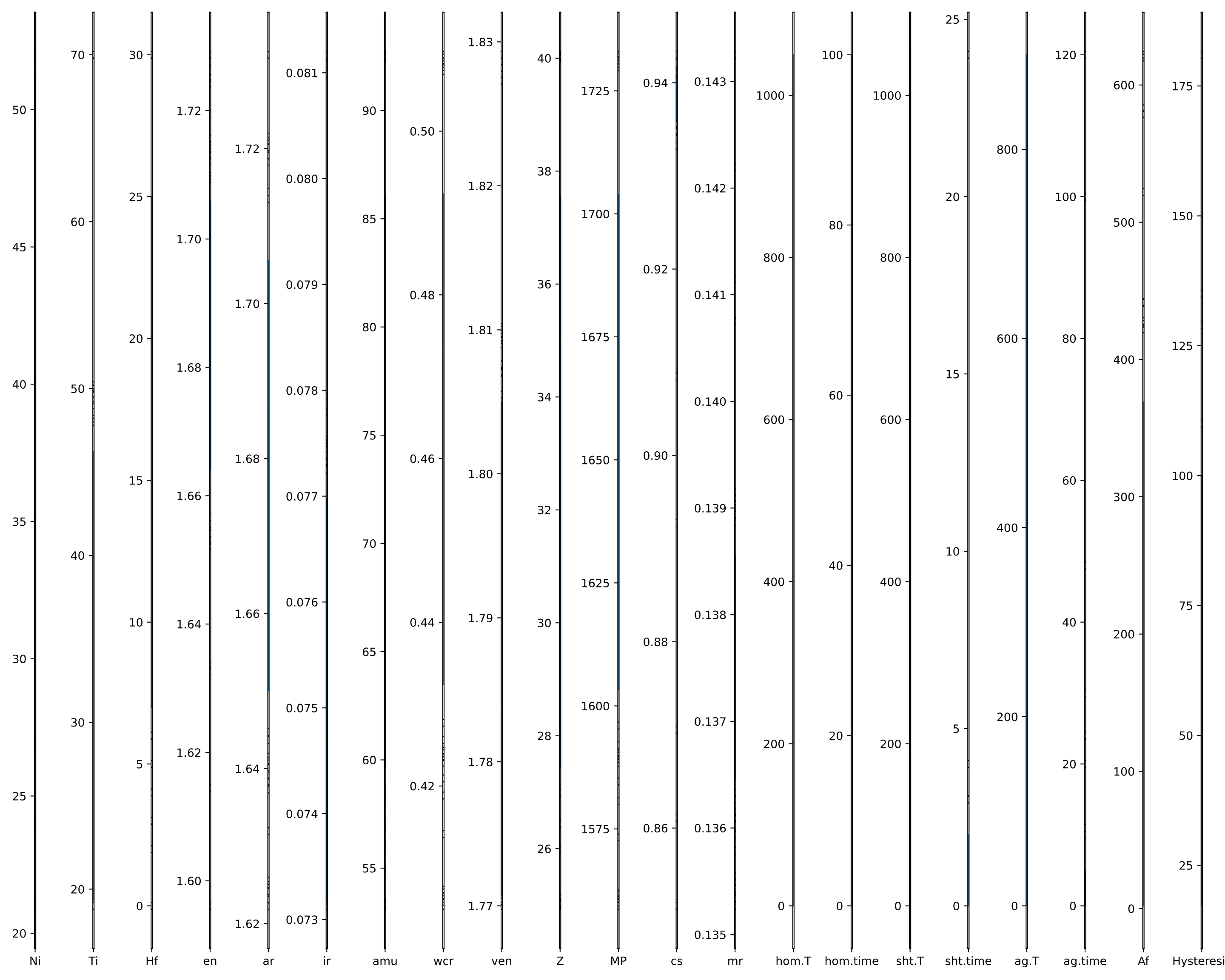
## Missing Values per Column

Ni	0
Ti	0
Hf	0
en	0
ar	0
ir	0
amu	0
wcr	0
ven	0
Z	0
MP	0
cs	0
mr	0
hom.T	0
hom.time	0
sht.T	0
sht.time	0
ag.T	0
ag.time	0
Af	0
Hysteresis	0

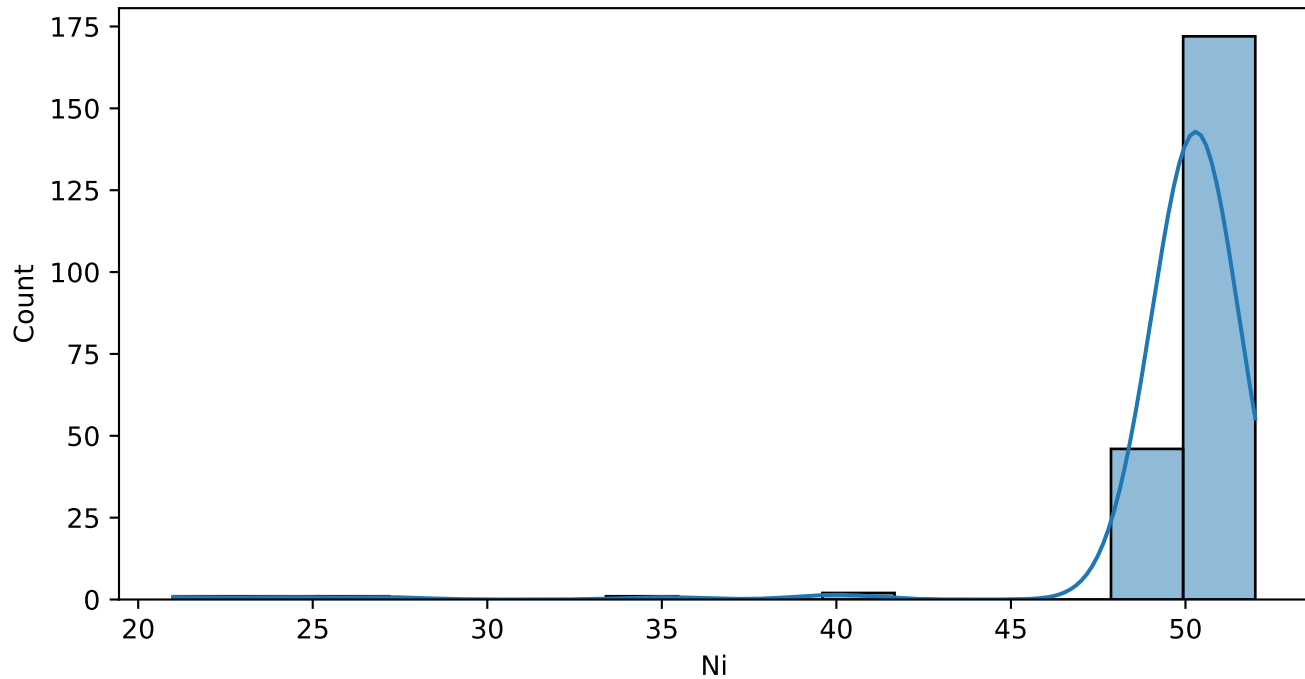
Correlation Matrix



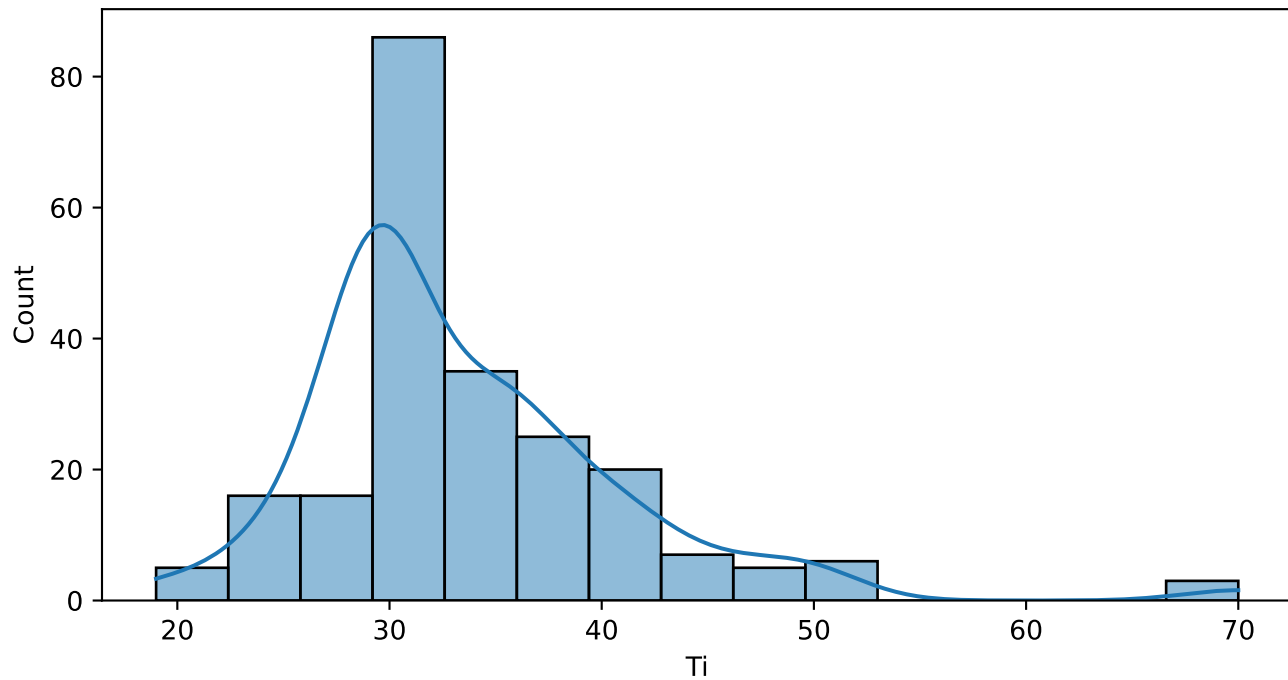




Distribution of Ni

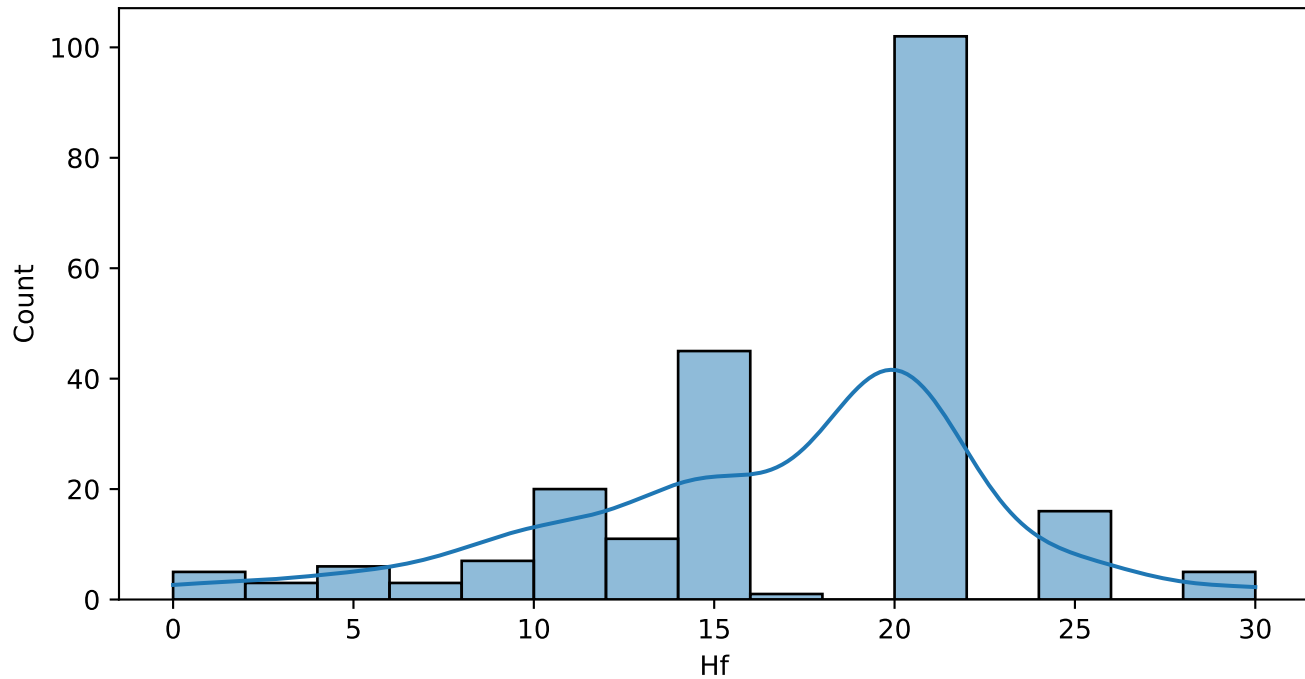


Distribution of Ti

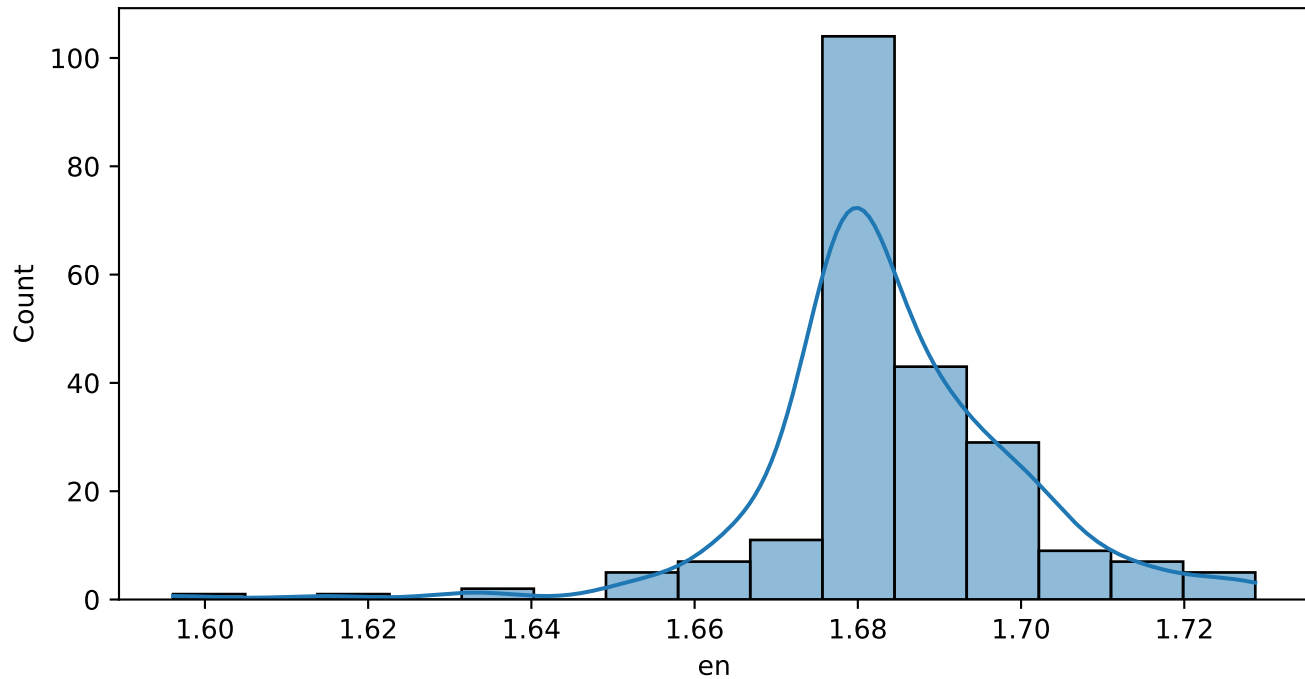




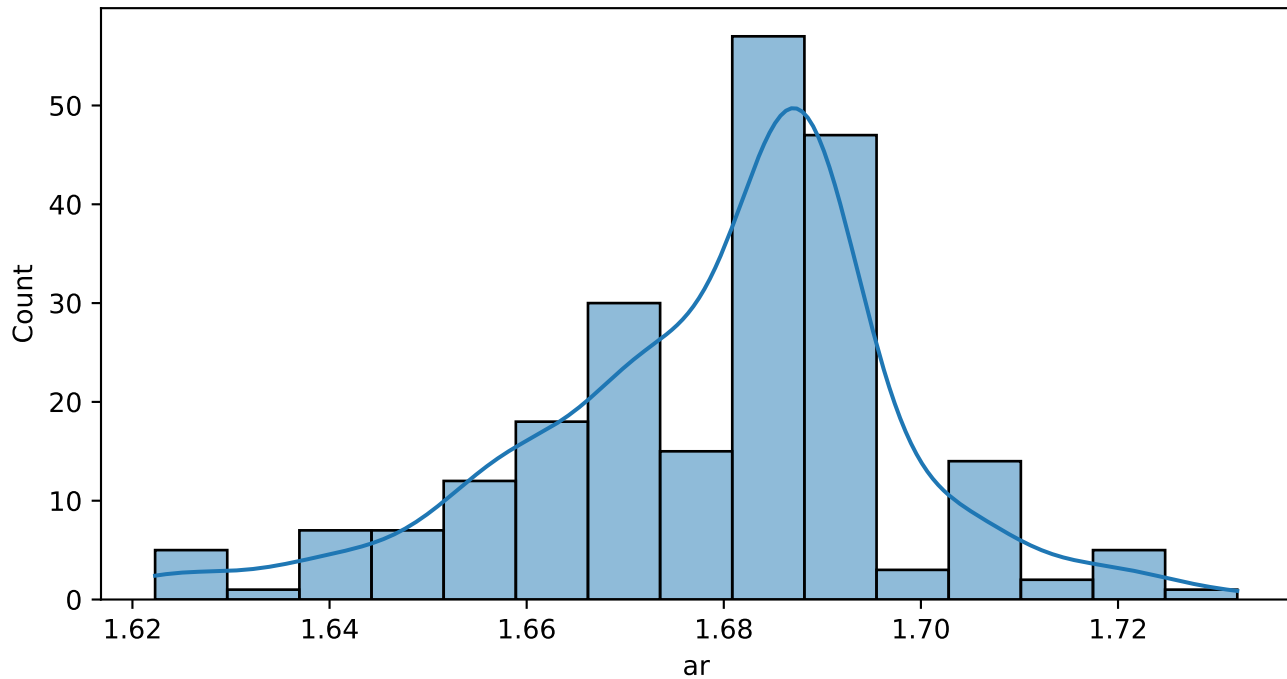
Distribution of Hf



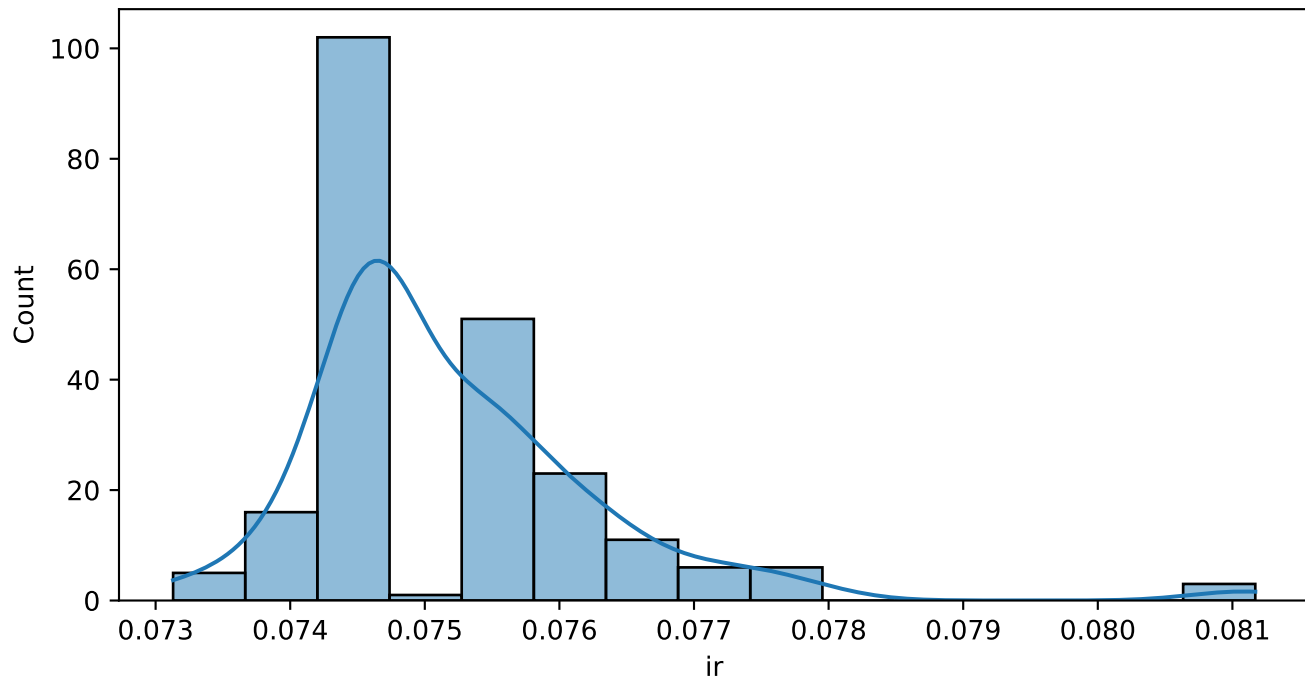
Distribution of en



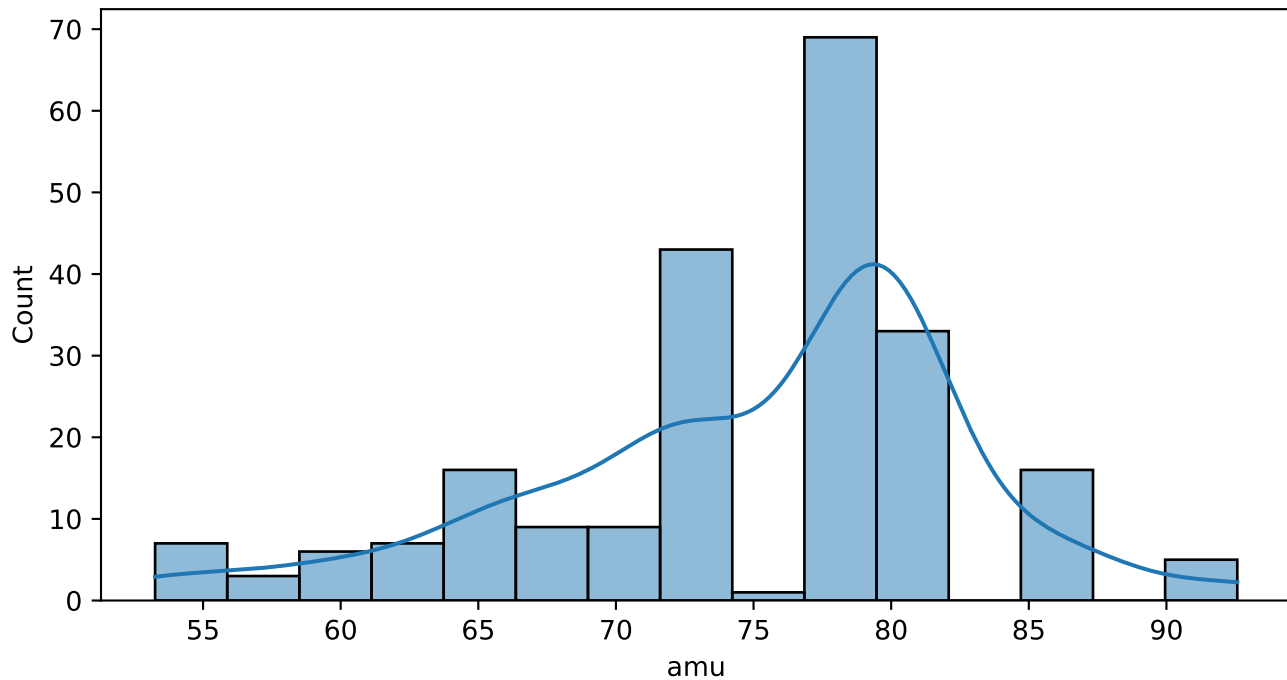
Distribution of ar



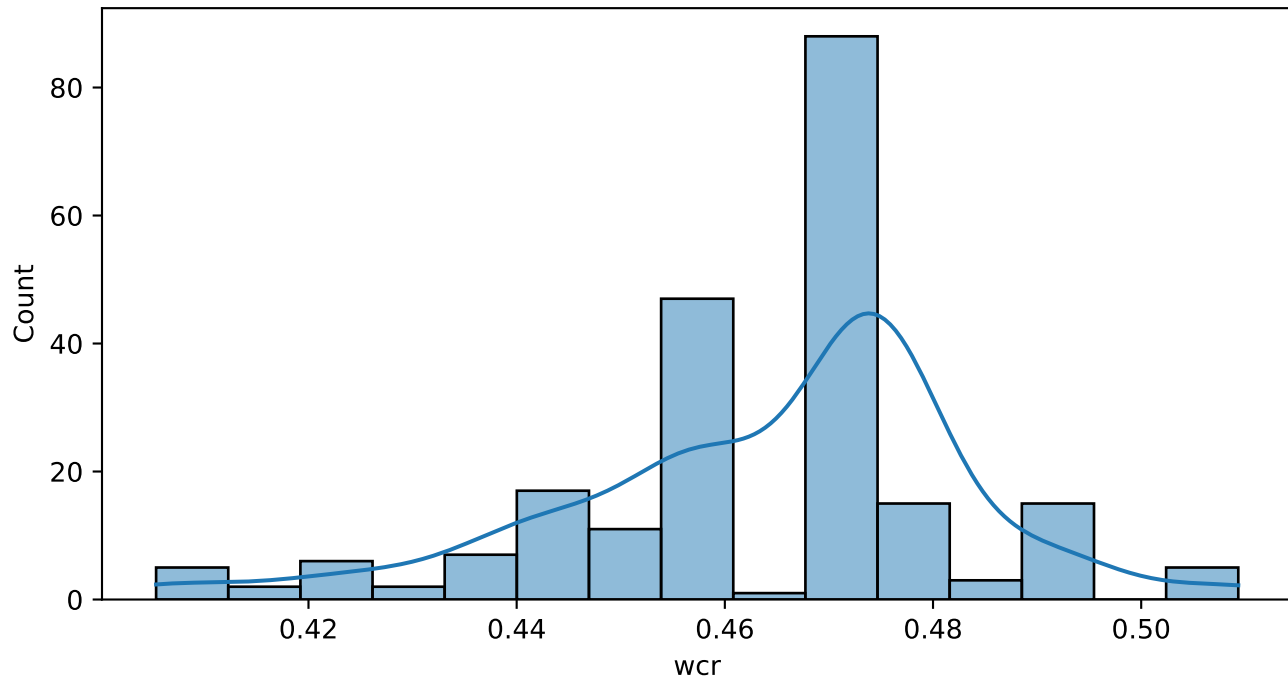
Distribution of ir



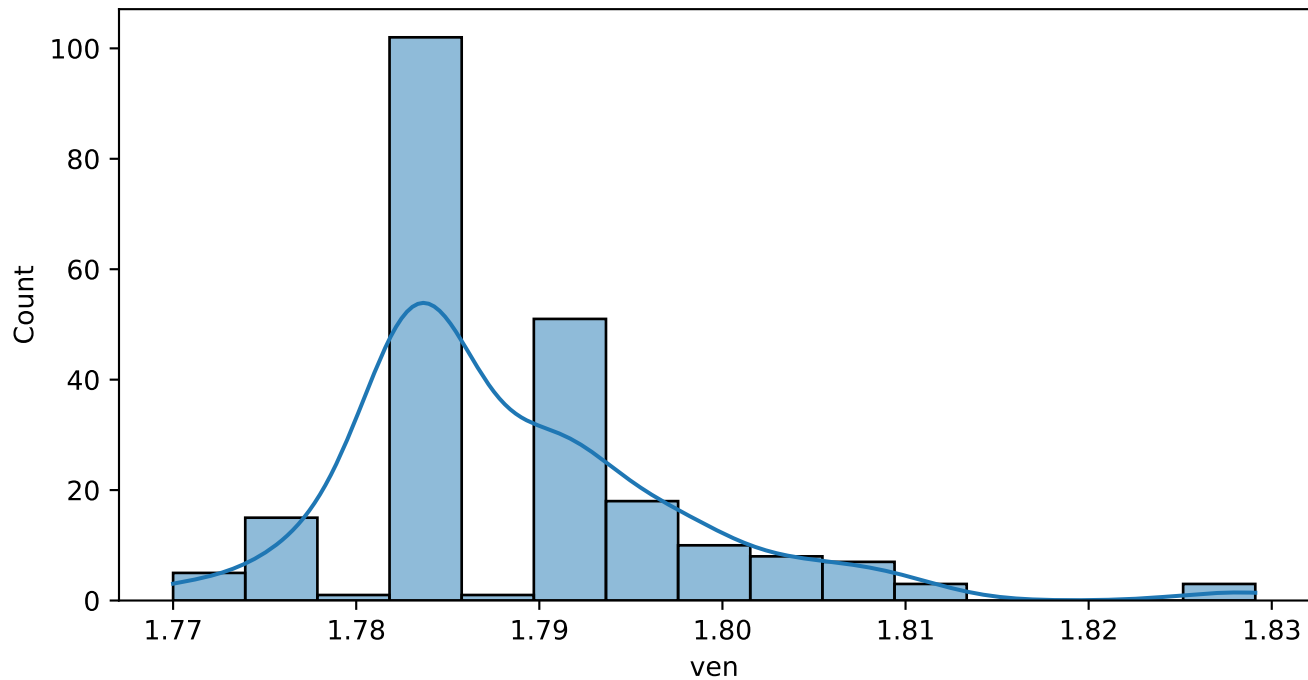
Distribution of amu



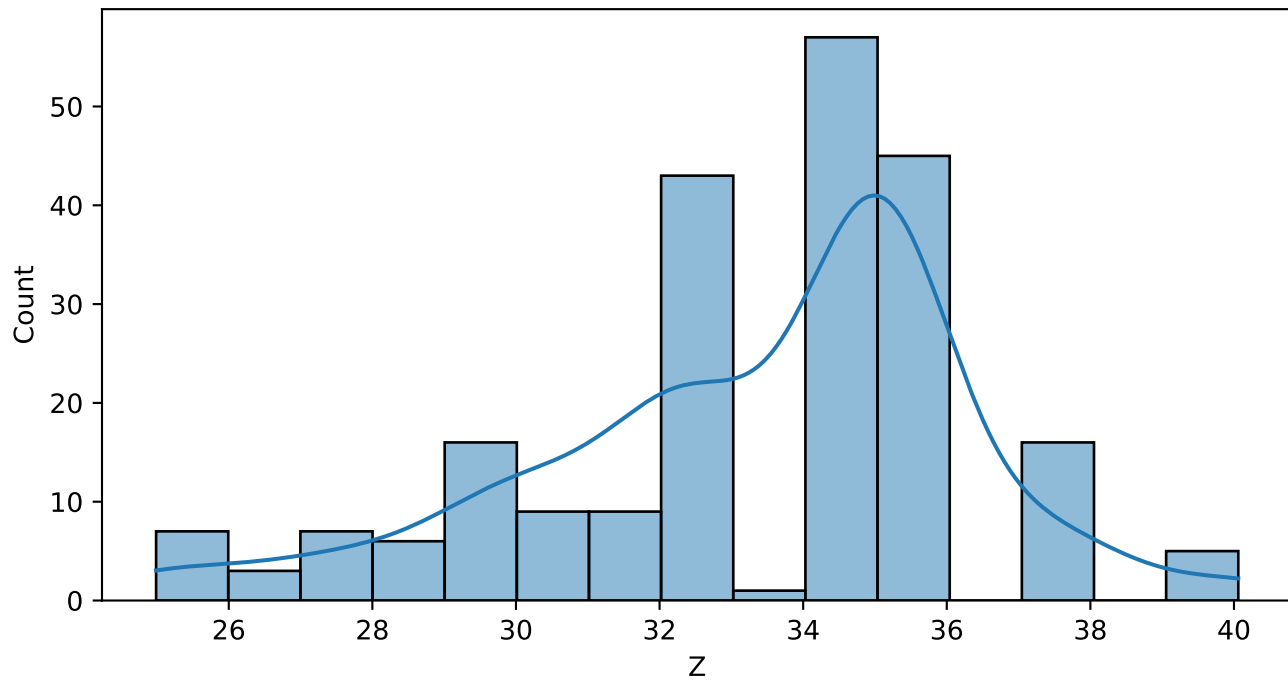
Distribution of wcr



Distribution of ven

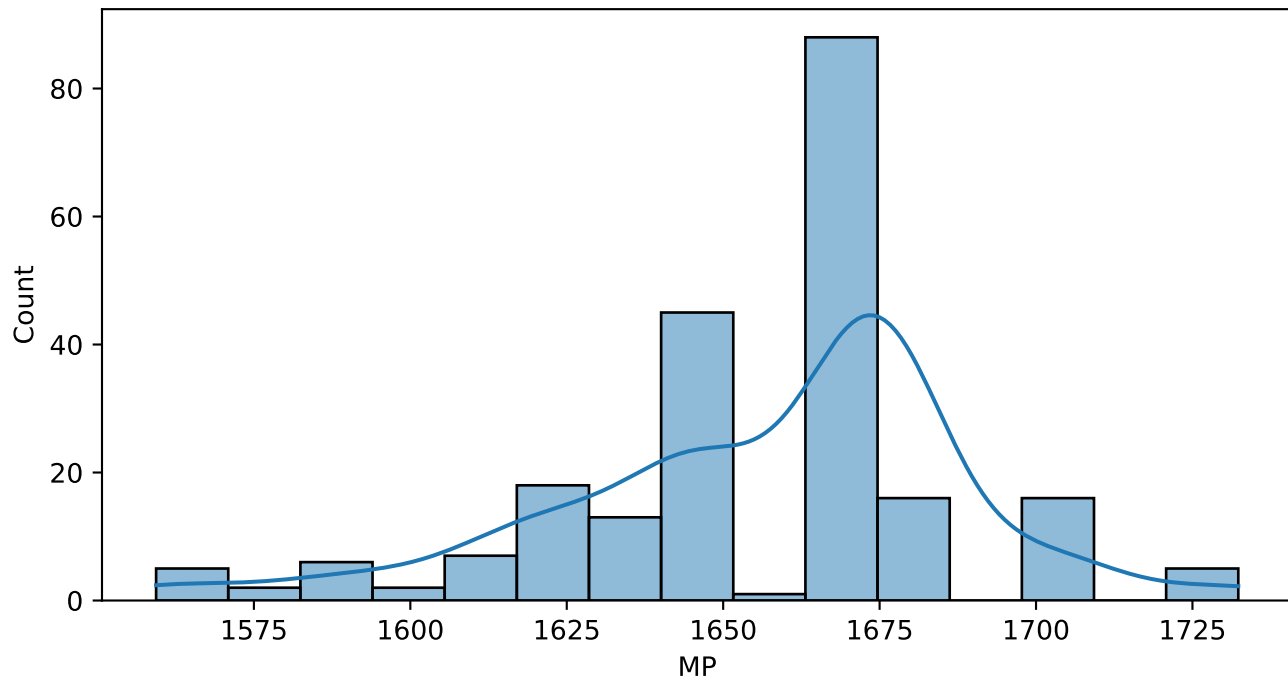


Distribution of Z

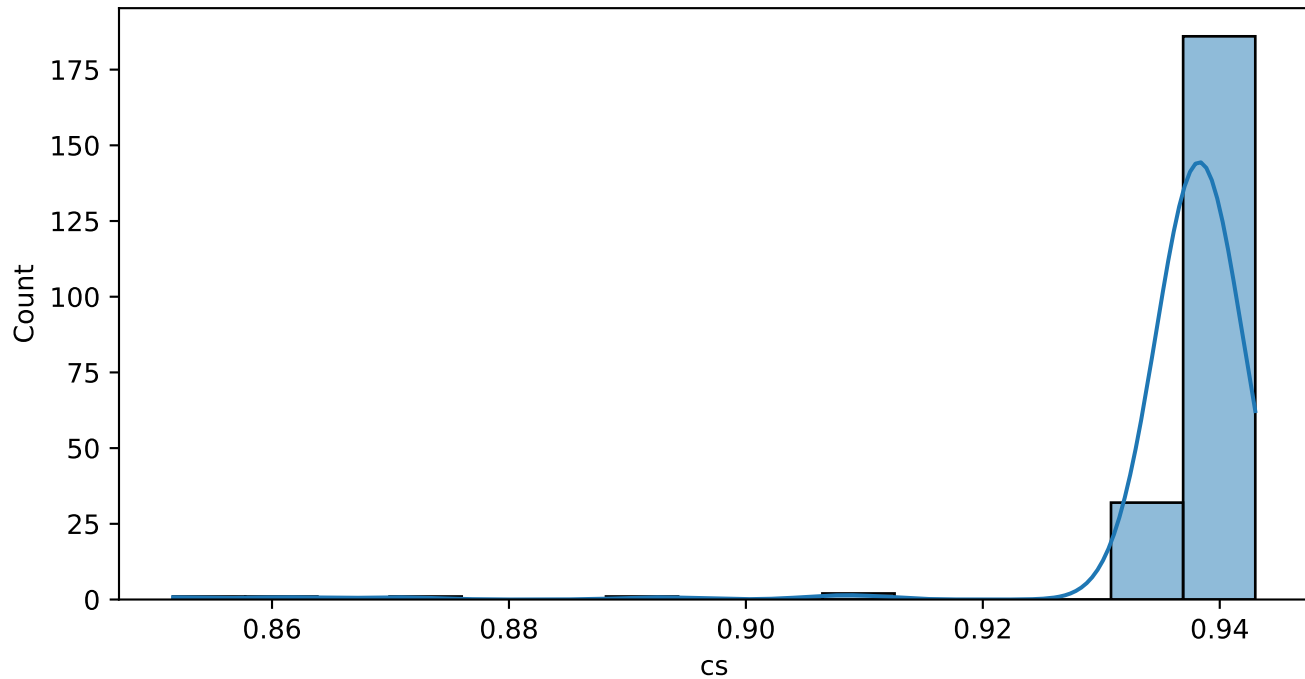




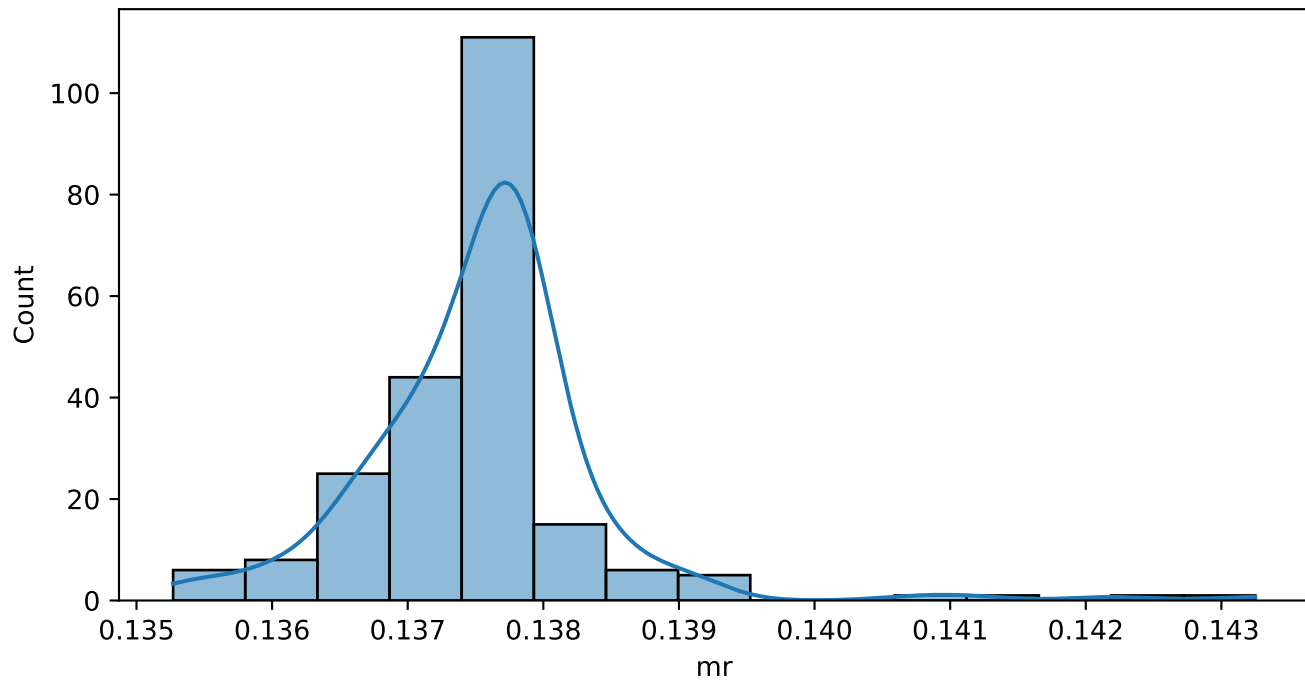
Distribution of MP



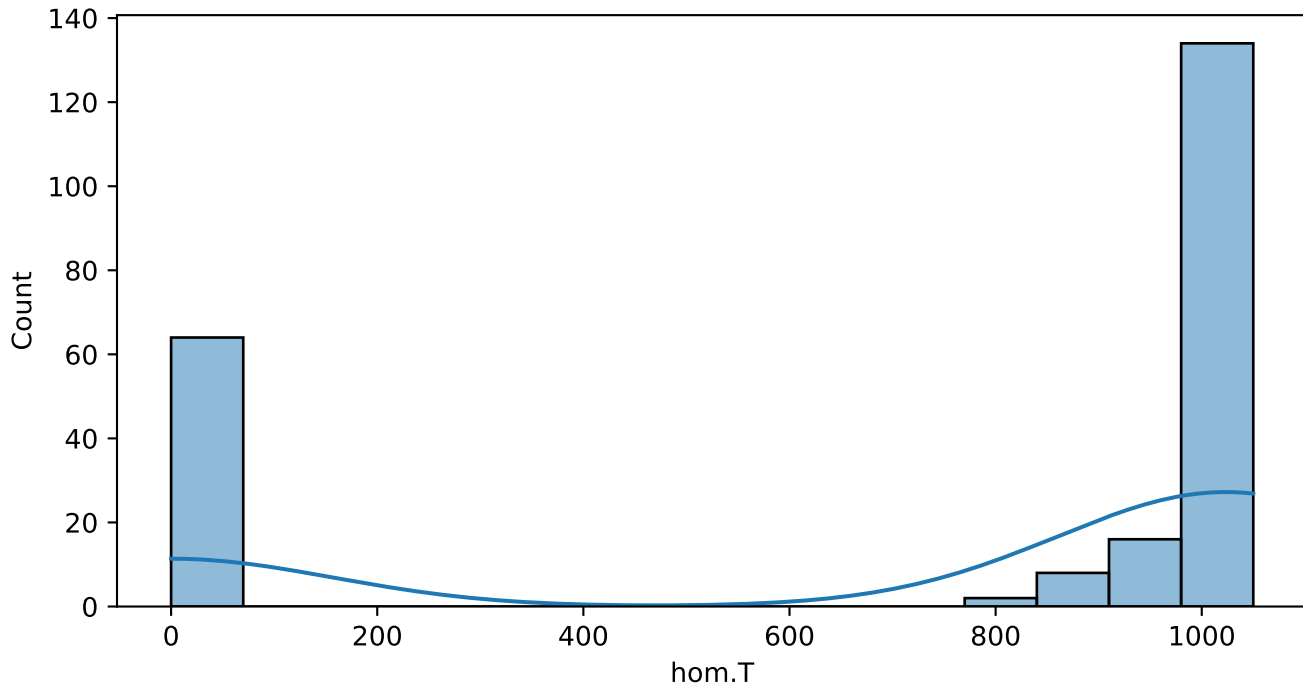
Distribution of cs



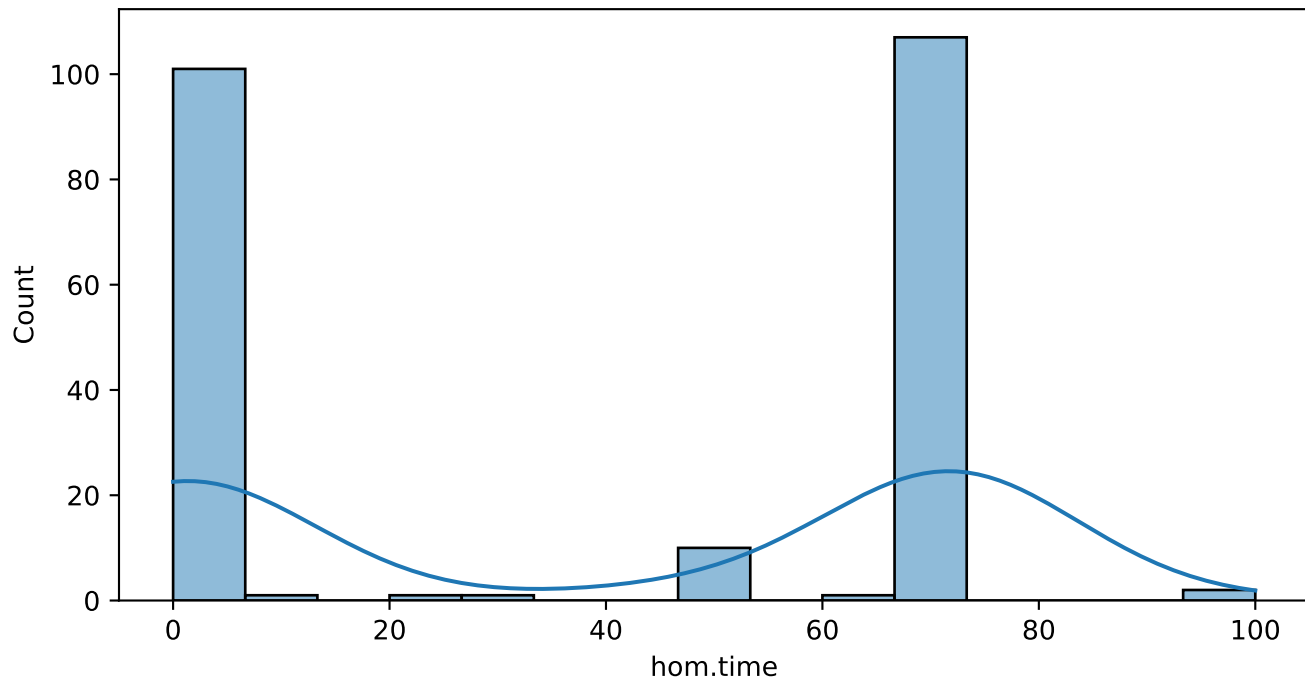
Distribution of mr



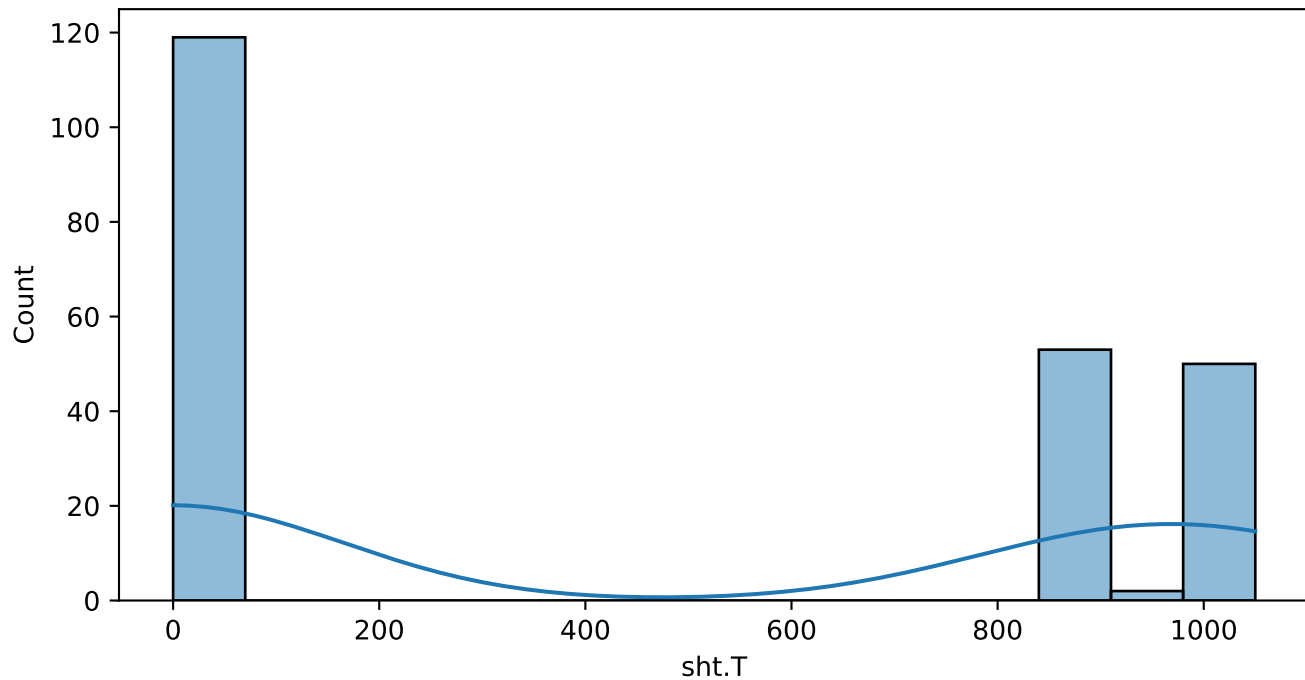
Distribution of hom.T



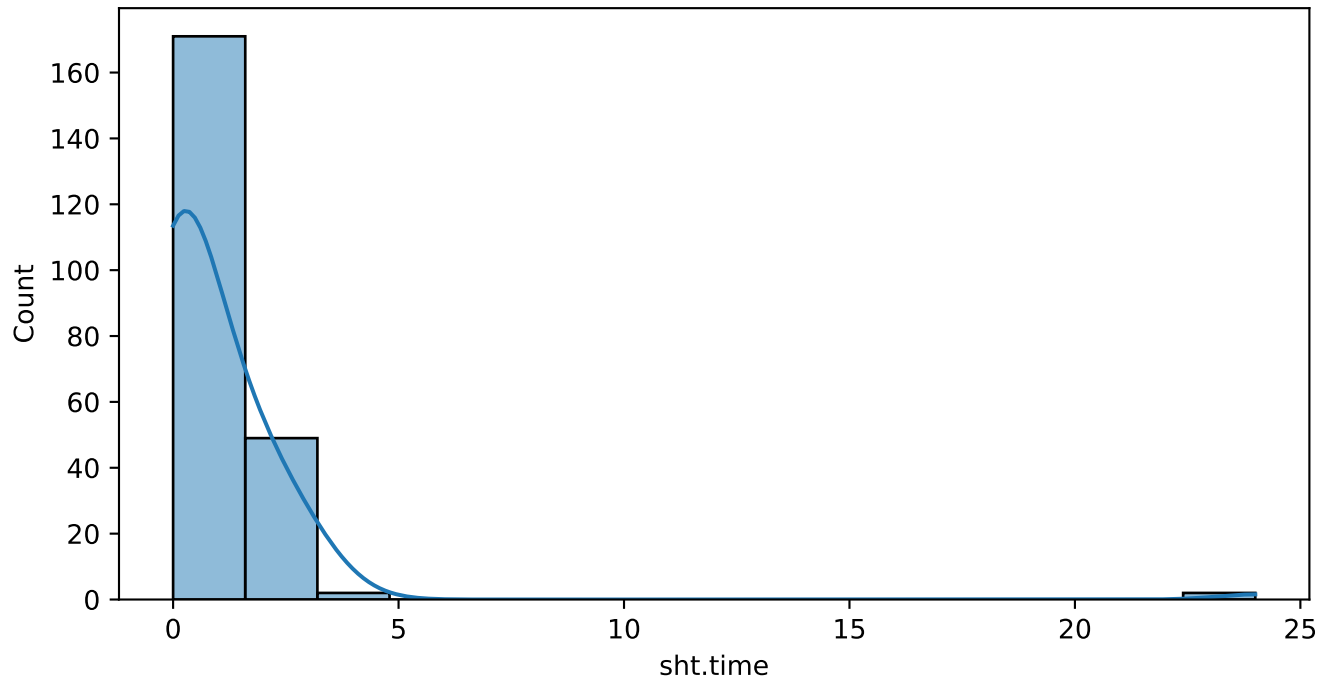
Distribution of hom.time



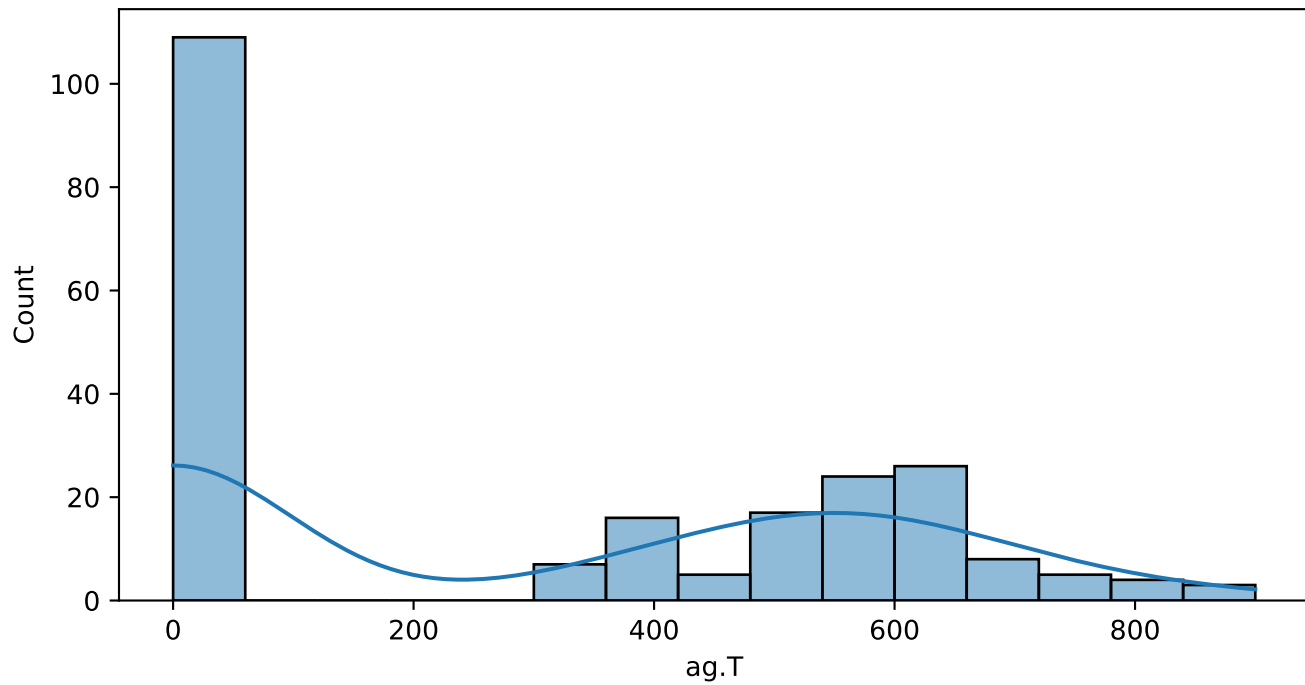
Distribution of sht.T



Distribution of sht.time

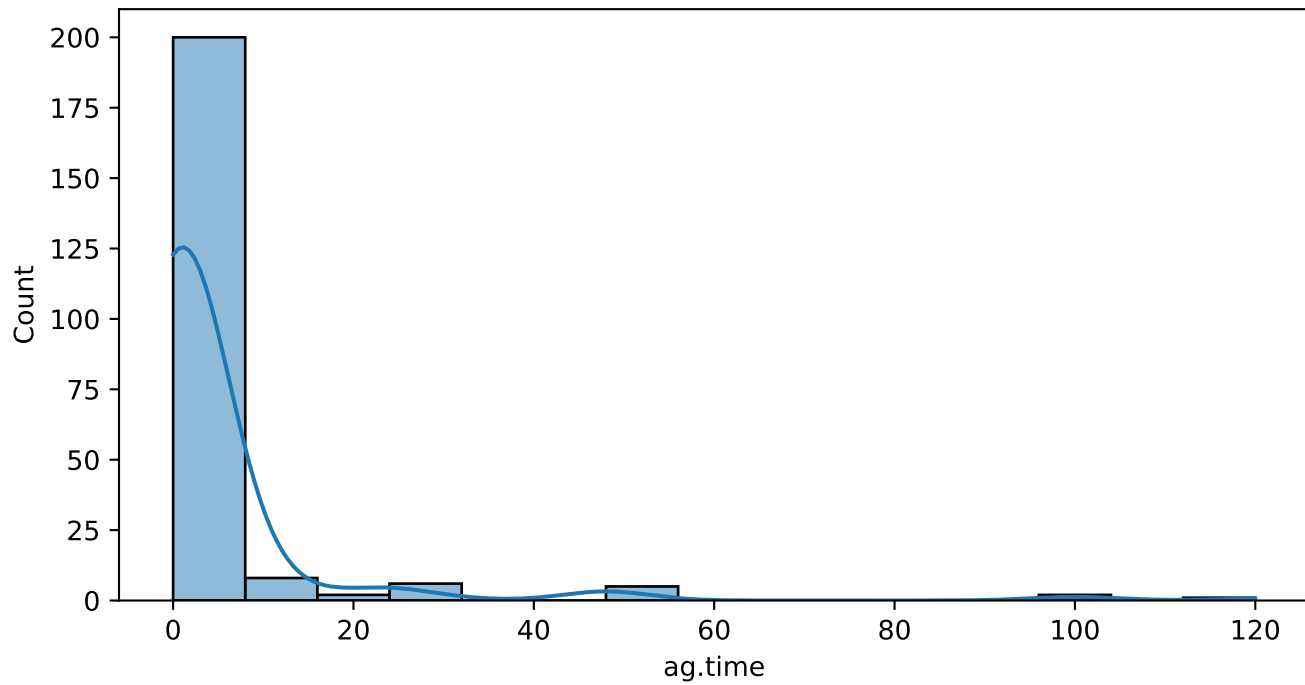


Distribution of ag.T

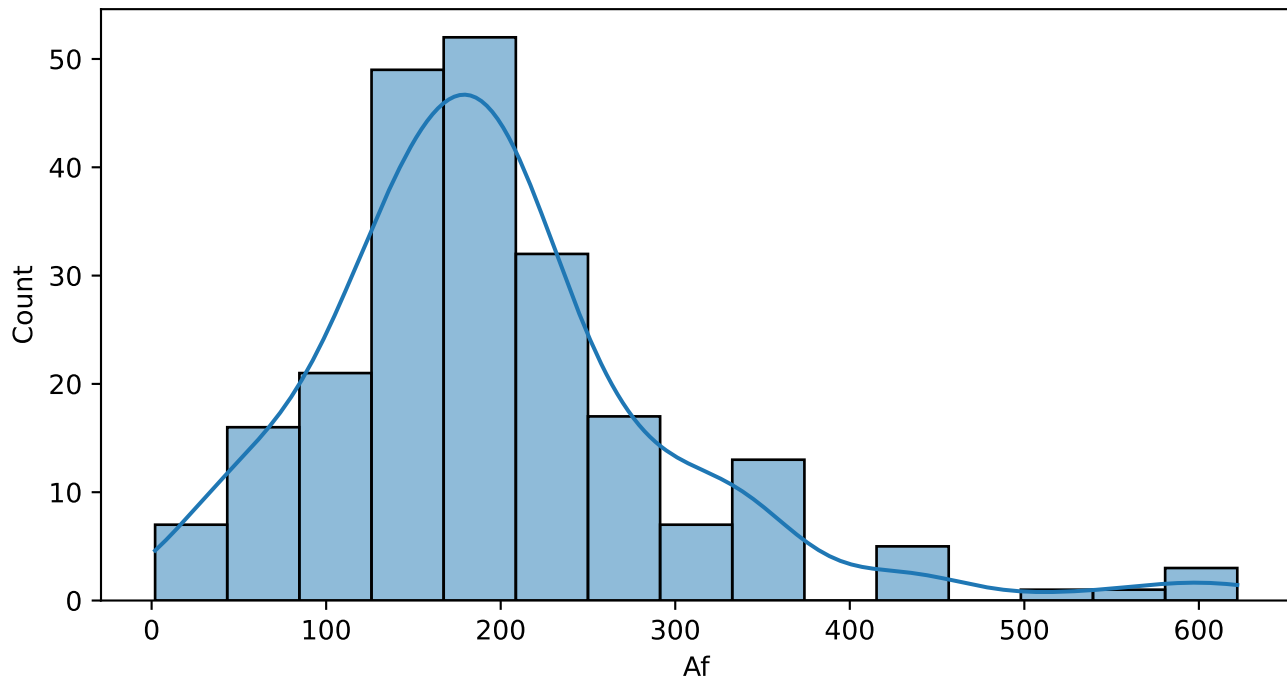




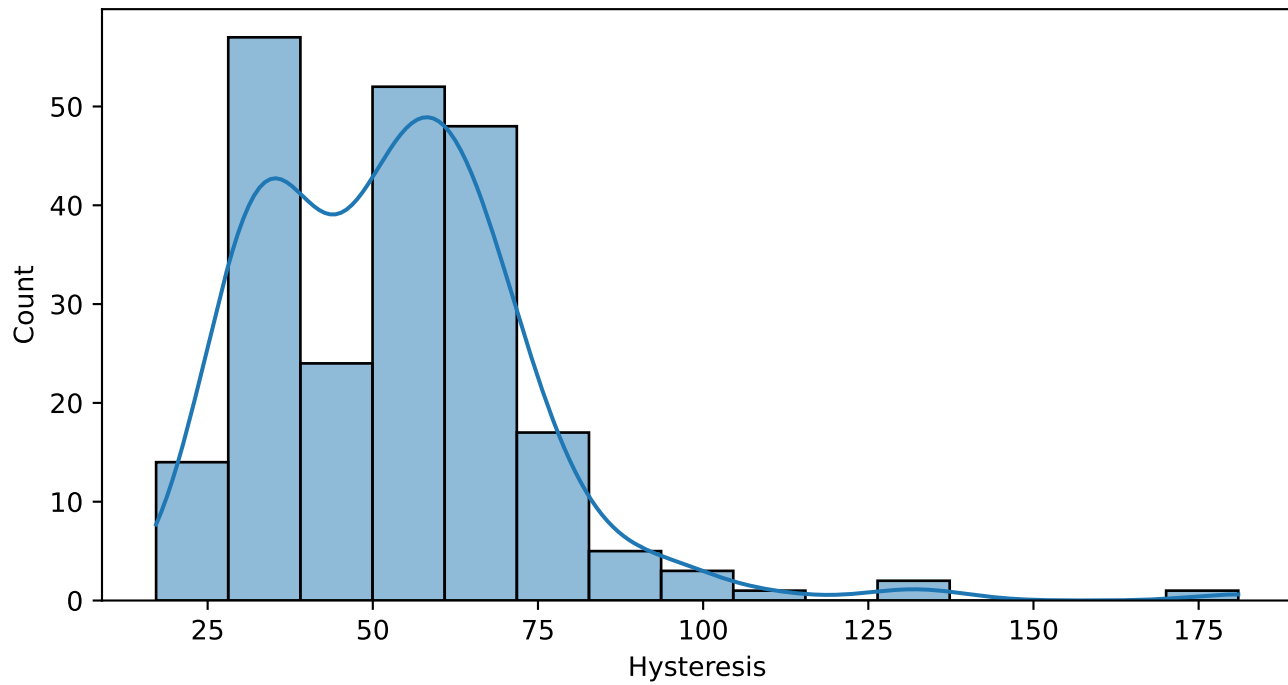
Distribution of ag.time



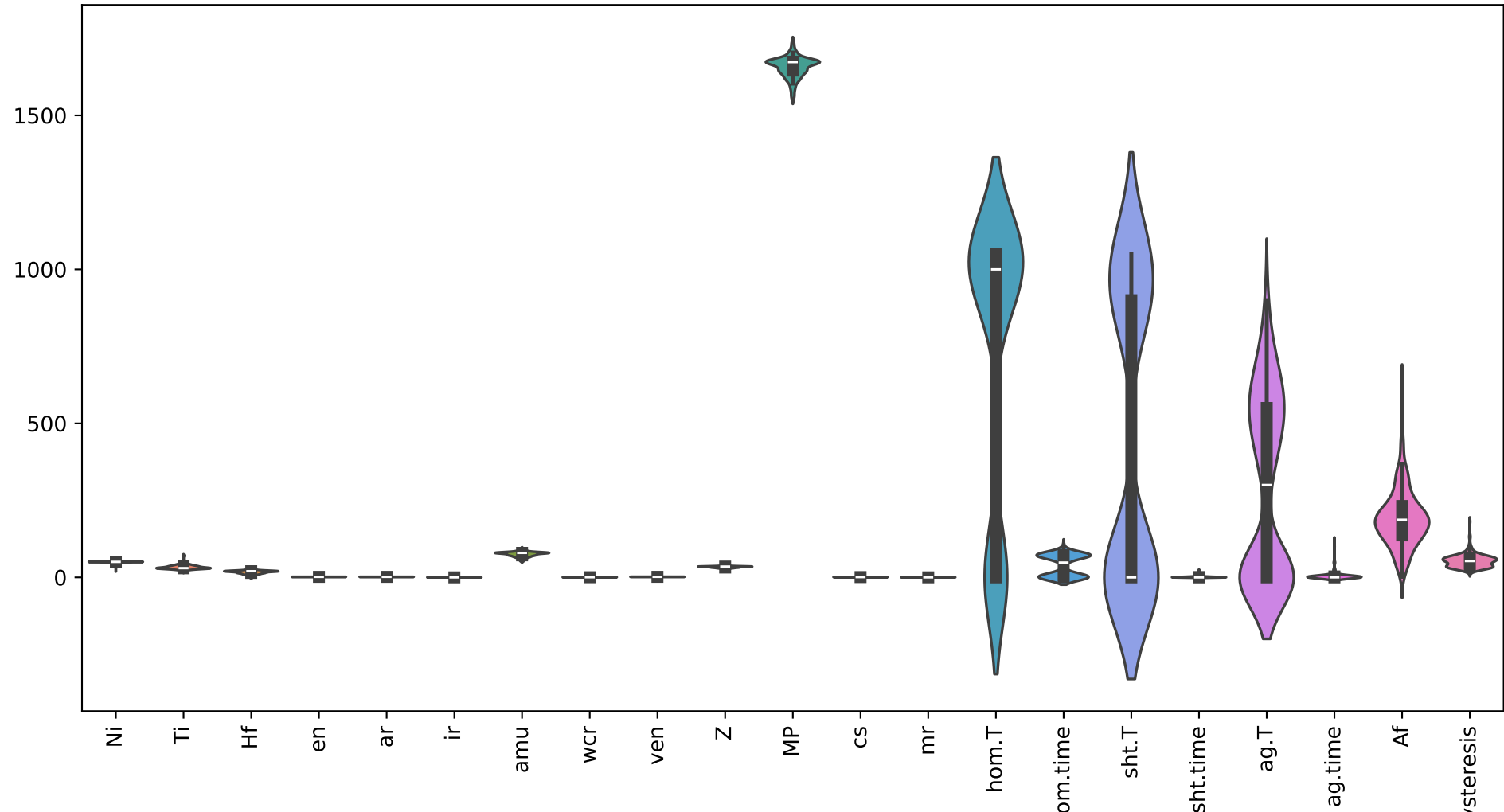
Distribution of Af

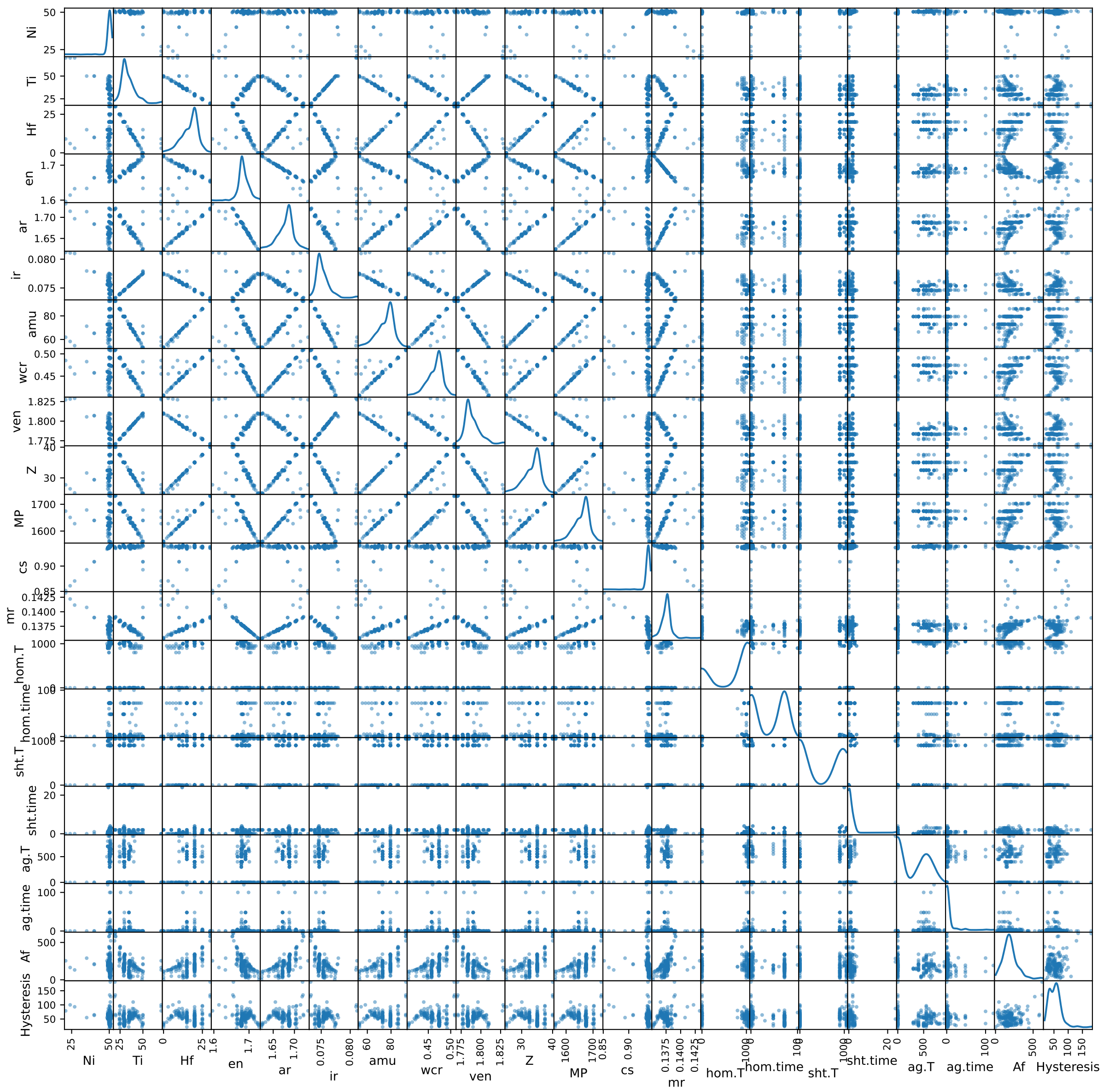


Distribution of Hysteresis



Violin Plots for All Features





### Heatmap of Missing Values

