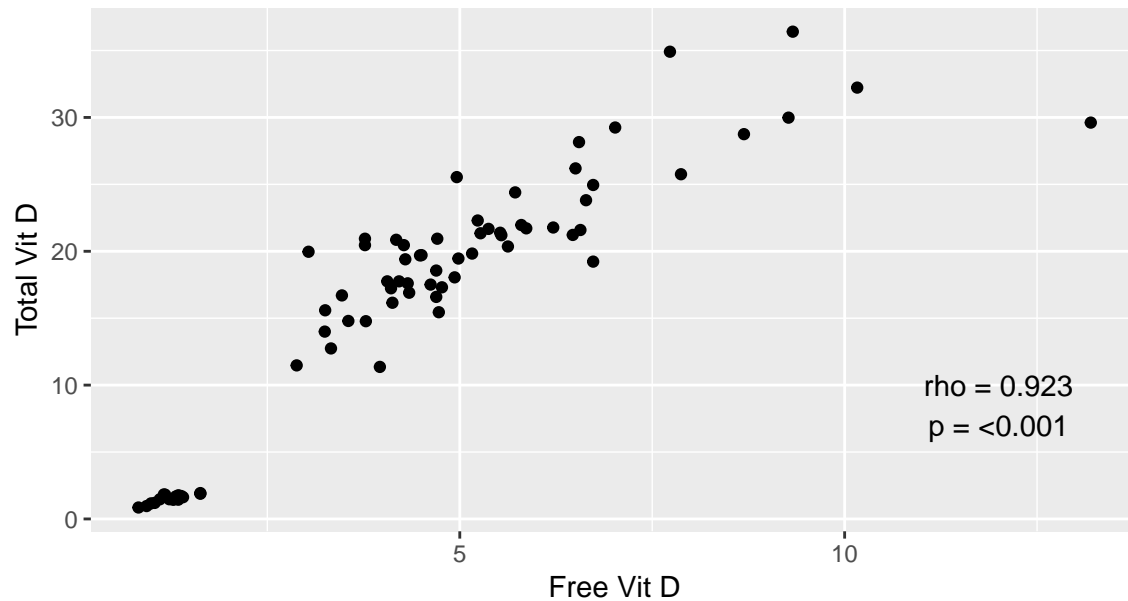


# Shah Vitamin D Analysis

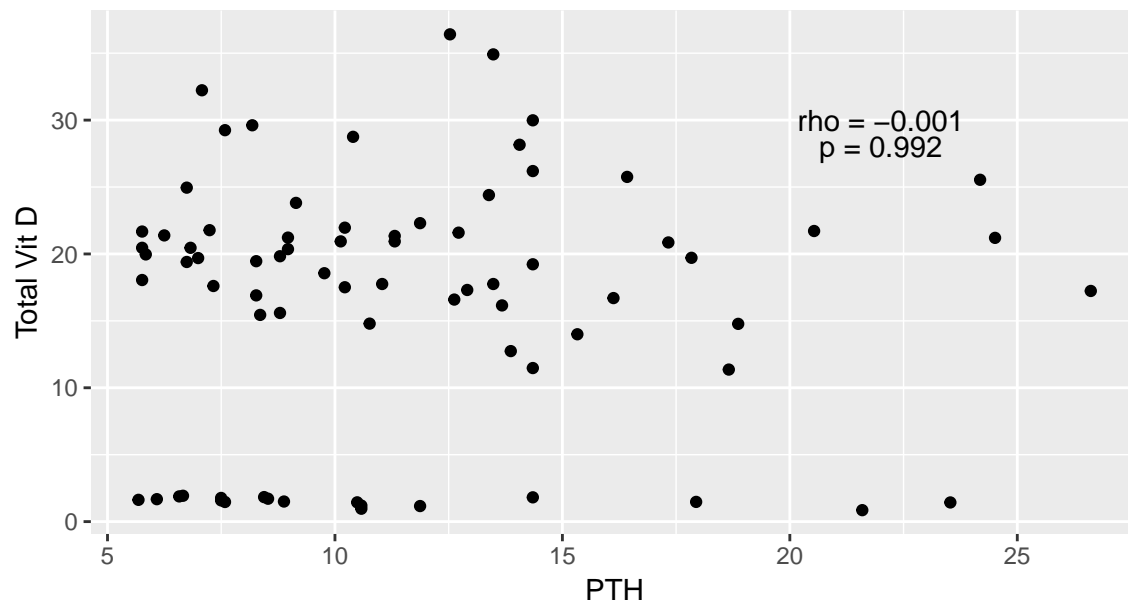
*Tim Vigers*

*September 26, 2018*

Spearman Correlation of Free Vit D and Total Vit D



Spearman Correlation of PTH and Total Vit D



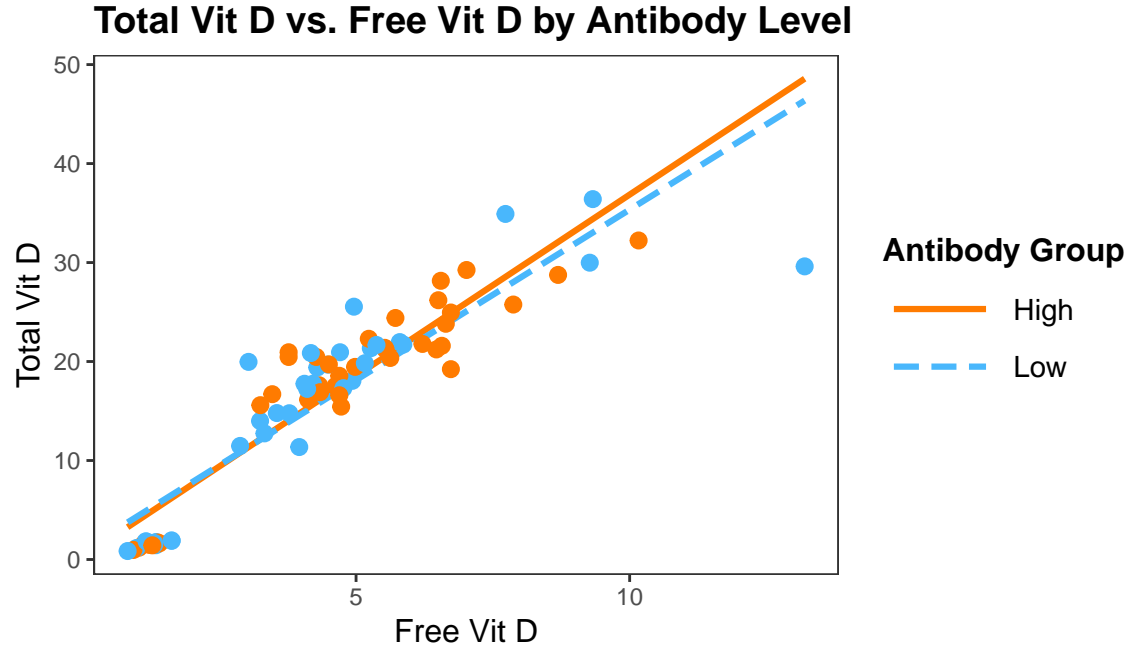


Table 1: Interaction Effects By Antibody Group

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	0.2366860	1.5526386	0.1524412	0.8792714
Free Vit D	3.6626614	0.2948763	12.4210110	0.0000000
Low Antibody Group	0.6668283	1.9680218	0.3388318	0.7357365
Free Vit D:Low Antibody Group	-0.2180182	0.3871931	-0.5630735	0.5751587

Table 2: Mann-Whitney Test Between Antibody Groups

Variable	Median (IQR) Low Abx	Median (IQR) High Abx	P Value
Free Vit D	4.06 (1.63, 4.96)	4.71 (3.77, 6.50)	0.0571
Total Vit D	17.31 (1.88, 20.94)	20.04 (16.26, 22.17)	0.1749
Free Vit D/Total Vit D	0.26 (0.24, 0.65)	0.27 (0.24, 0.31)	0.9958