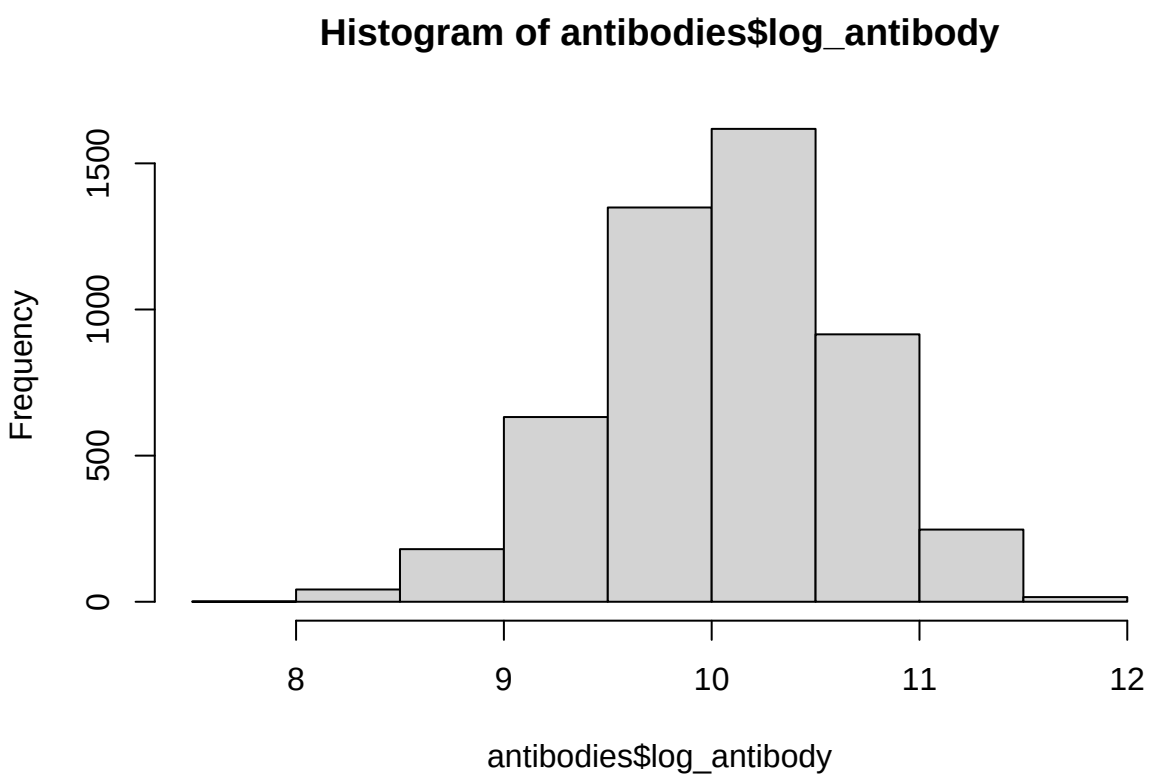
model_code

team

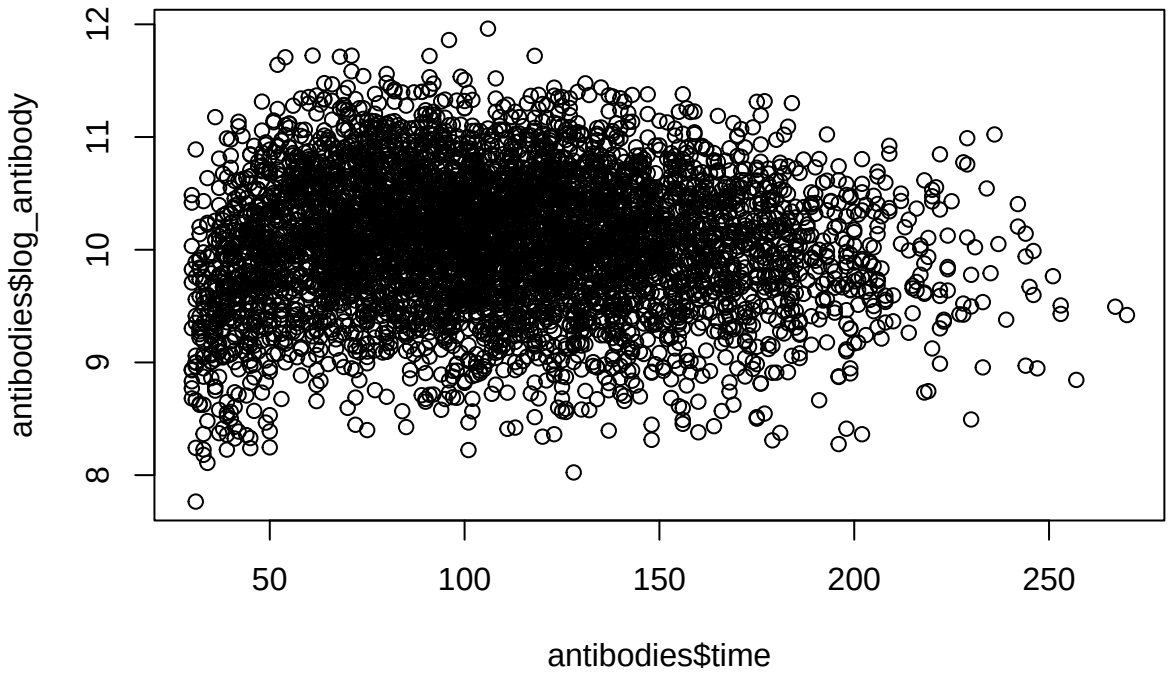
2025-03-25

```
load("./dat1.RData")
antibodies = dat1

antibody_hist = hist(antibodies$log_antibody)
```




```
antibody_scatter = plot(x = antibodies$time, y = antibodies$log_antibody)
```




```
summ_table = sumtable(antibodies, out = 'return')
continuous = antibodies[c(2,6:8,11:13)]
correlations = cor(continuous)
corr_plot = corrplot(correlations)
```

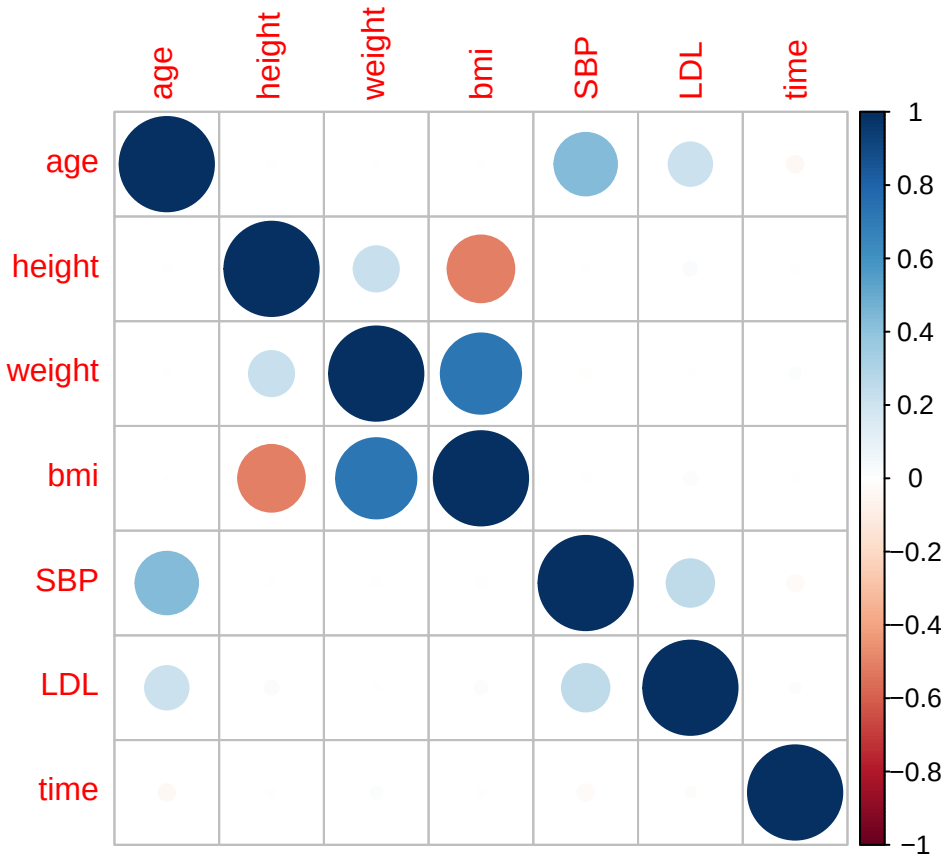


Table 1: Summary Statistics

Variable	N	Mean	Std. Dev.	Min	Pctl. 25	Pctl. 75	Max
id	5000	2500	1444	1	1251	3750	5000
age	5000	60	4.5	44	57	63	75
gender	5000	0.49	0.5	0	0	1	1
race	5000						
... 1	3221	64%					
... 2	278	6%					
... 3	1036	21%					
... 4	465	9%					
smoking	5000						
... 0	3010	60%					
... 1	1504	30%					
... 2	486	10%					
height	5000	170	5.9	150	166	174	193
weight	5000	80	7.1	57	75	85	106
bmi	5000	28	2.8	18	26	30	39
diabetes	5000	0.15	0.36	0	0	0	1
hypertension	5000	0.46	0.5	0	0	1	1
SBP	5000	130	8	101	124	135	155
LDL	5000	110	20	43	96	124	185
time	5000	109	43	30	76	138	270
log_antibody	5000	10	0.6	7.8	9.7	10	12

```
report_table = sumtable(antibodies, out = 'kable')
report_table
```