

# p8130 homework 5

Jeffrey Liang

11/15/2020

## Problem 1

```
##  
## Wilcoxon rank sum test with continuity correction  
##  
## data:  antibody %>% pull(Altered) and antibody %>% pull(Normal)  
## W = 8582, p-value = 0.01  
## alternative hypothesis: true location shift is not equal to 0
```

## Problem 2

## Problem 3

Table 1: Data summary

Name	gpa
Number of rows	120
Number of columns	2
Column type frequency:	
numeric	2
Group variables	None

Variable type: numeric

skim_variable	n_missing	complete_rate	mean	sd	p0	p25	p50	p75	p100
gpa	0	1	3.07	0.64	0.5	2.69	3.08	3.59	4
act	0	1	24.73	4.47	14.0	21.00	25.00	28.00	35

