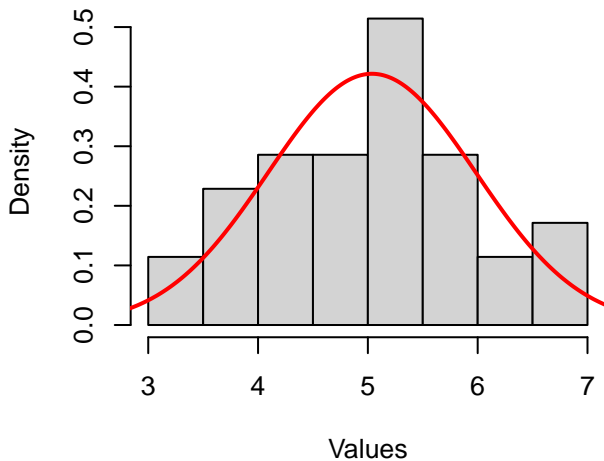
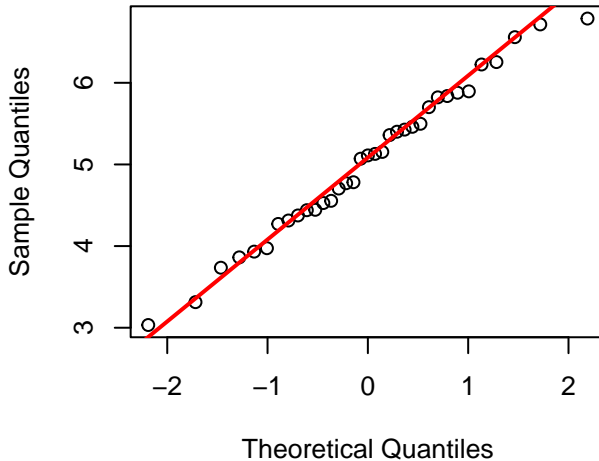


Check for normality of groups:  
A – Shapiro–Wilk:  $p = 0.9$  , B – Shapiro–Wilk:  $p = 0.59$

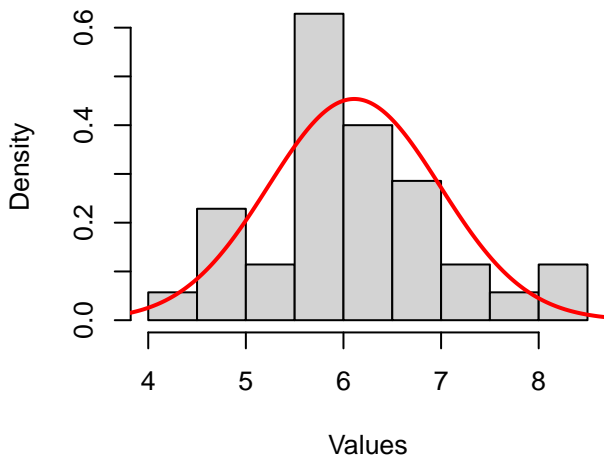
**Histogram – A**



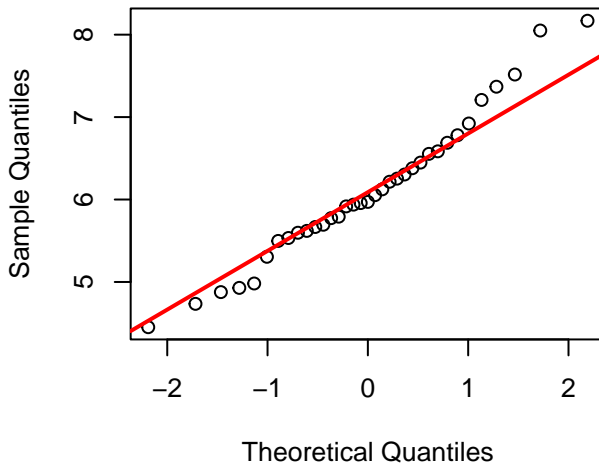
**Q-Q Plot – A**



**Histogram – B**



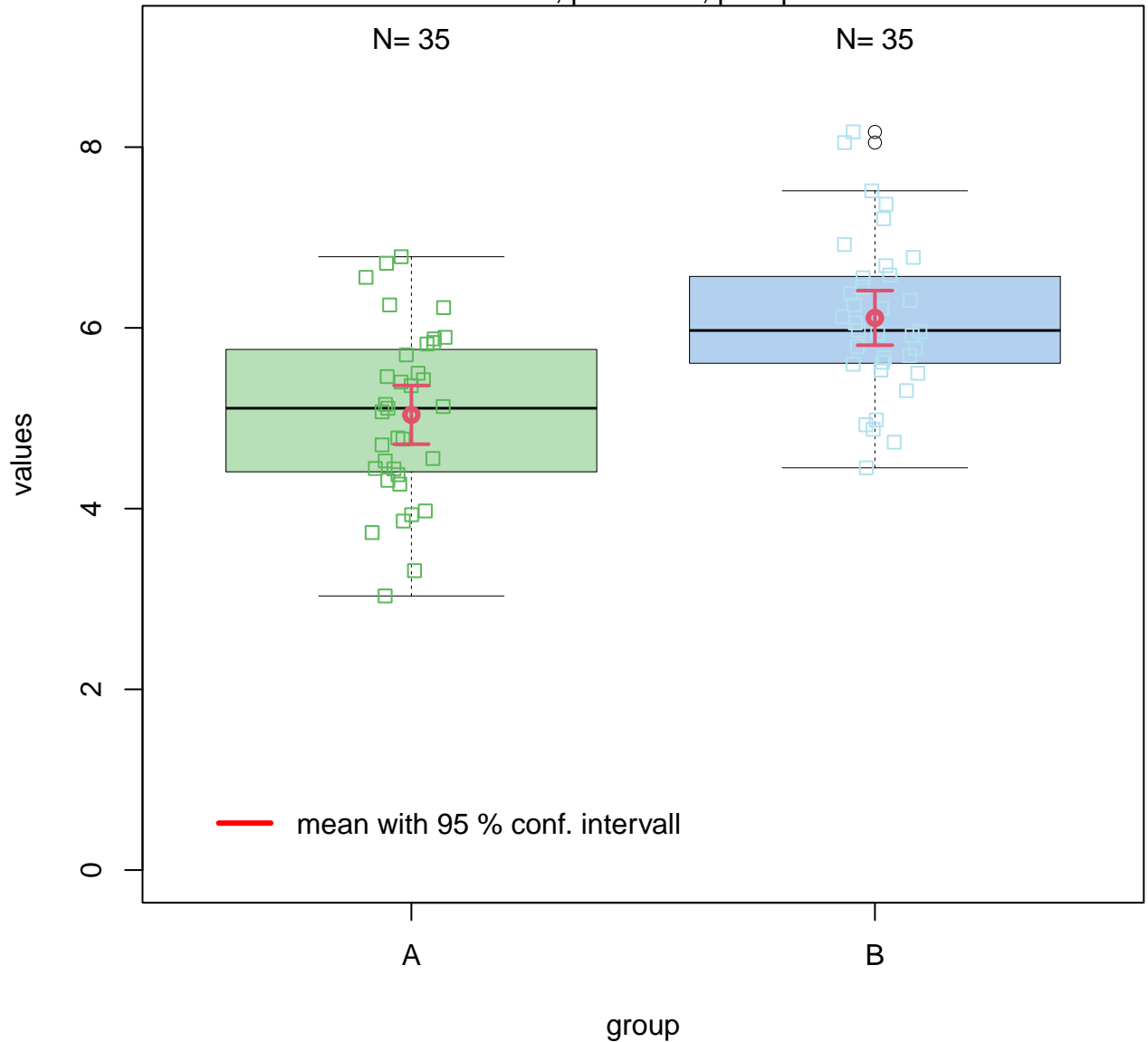
**Q-Q Plot – B**



Welch Two Sample t-test,  $\alpha = 0.05$

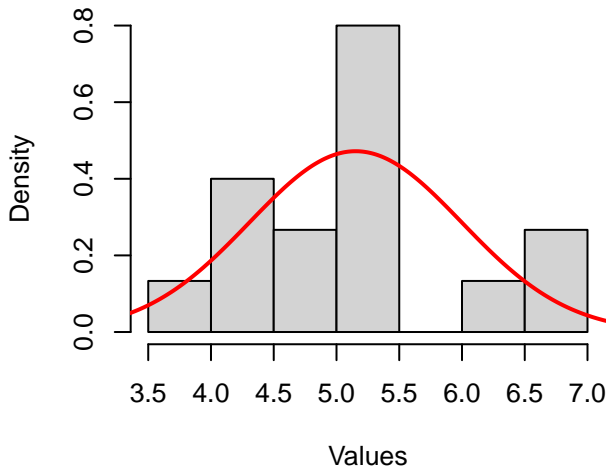
Null hypothesis: population mean values of group "A" equals population mean values of group

$t = -4.91$ ,  $p = 6e-06$ ,  $p < \alpha$

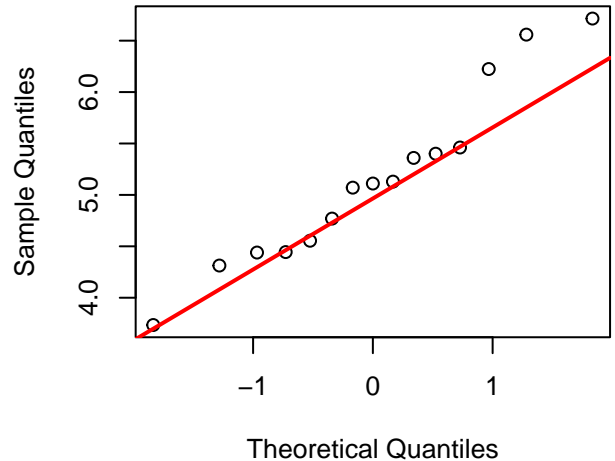


Check for normality of groups:  
A – Shapiro–Wilk:  $p = 0.52$  , B – Shapiro–Wilk:  $p = 0.9$

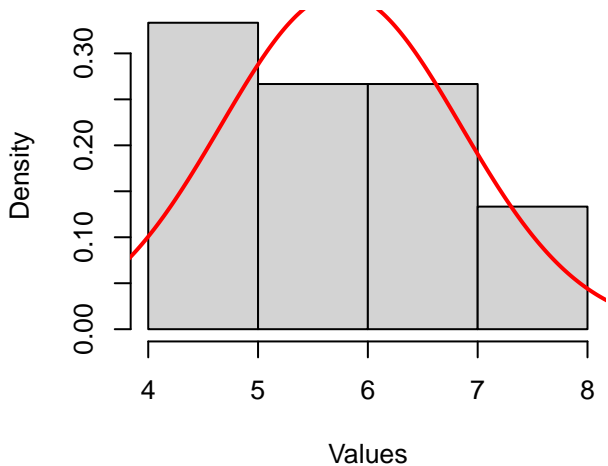
**Histogram – A**



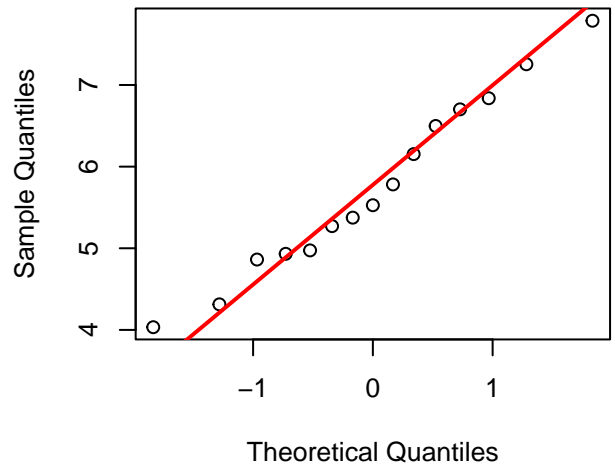
**Q-Q Plot – A**



**Histogram – B**

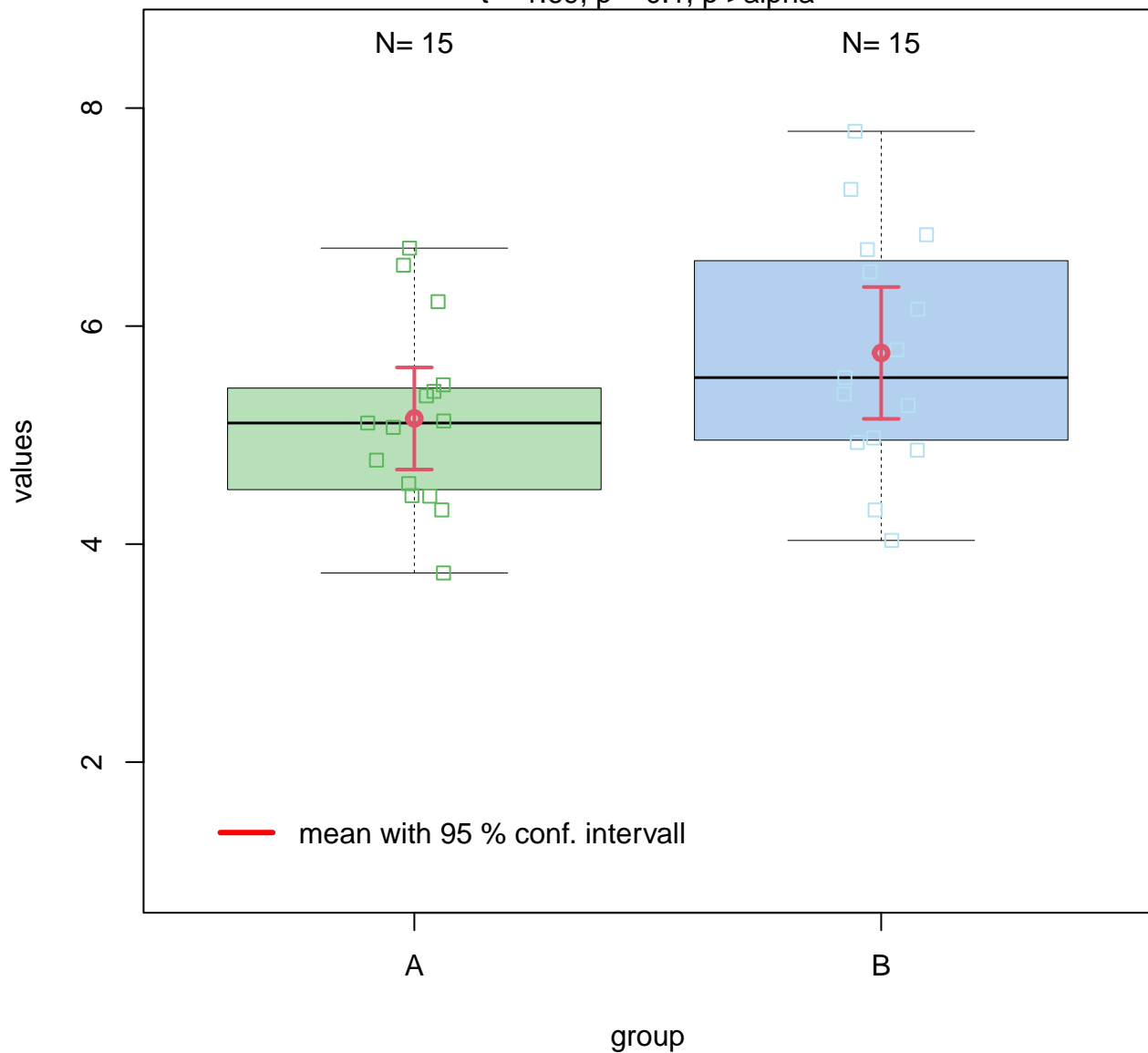


**Q-Q Plot – B**



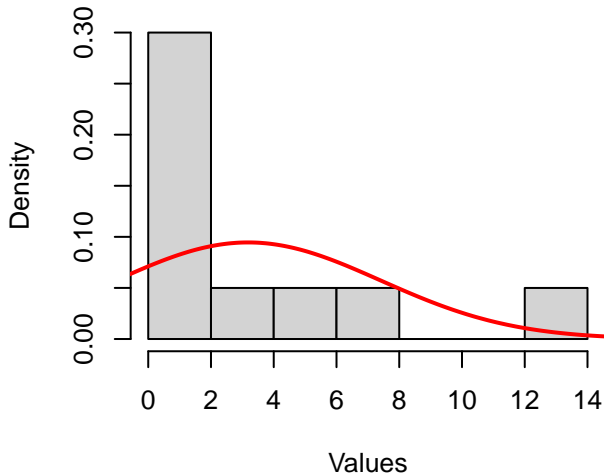
Welch Two Sample t-test,  $\alpha = 0.05$

Null hypothesis: population mean values of group "A" equals population mean values of group  
 $t = -1.69$ ,  $p = 0.1$ ,  $p > \alpha$

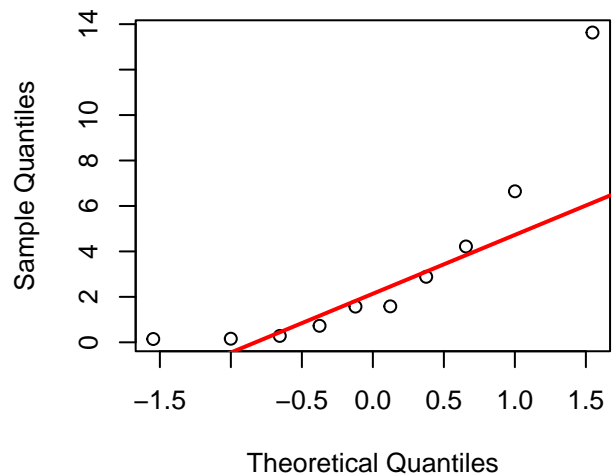


Check for normality of groups:  
A – Shapiro–Wilk:  $p = 0.0038$  , B – Shapiro–Wilk:  $p = 0.00037$

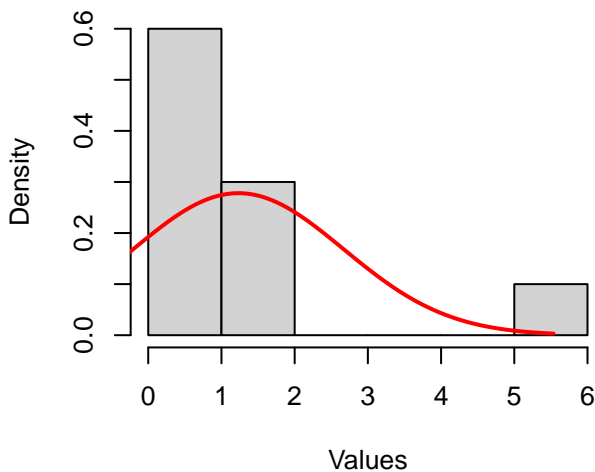
**Histogram – A**



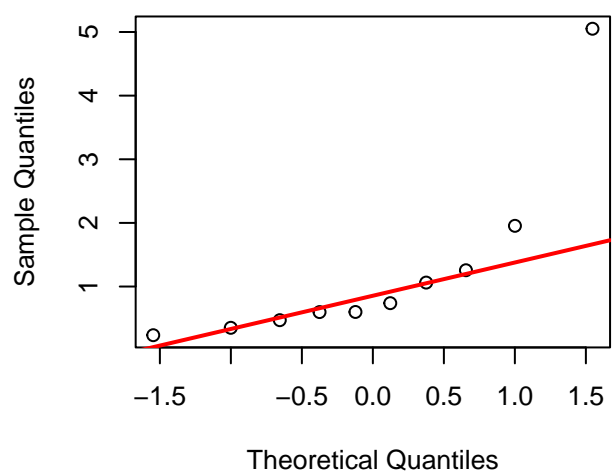
**Q-Q Plot – A**



**Histogram – B**



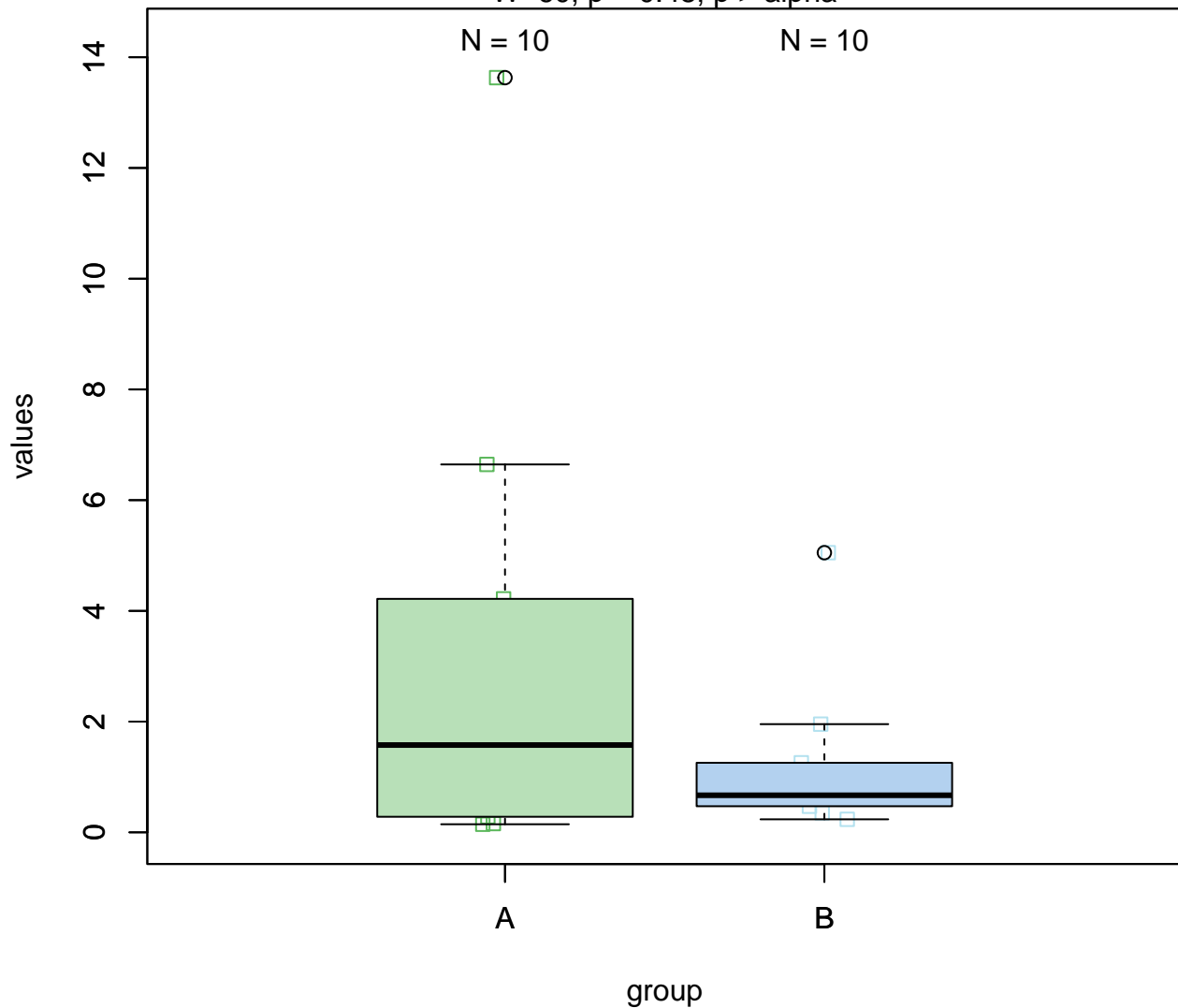
**Q-Q Plot – B**



Wilcoxon rank sum exact test,  $\alpha = 0.05$

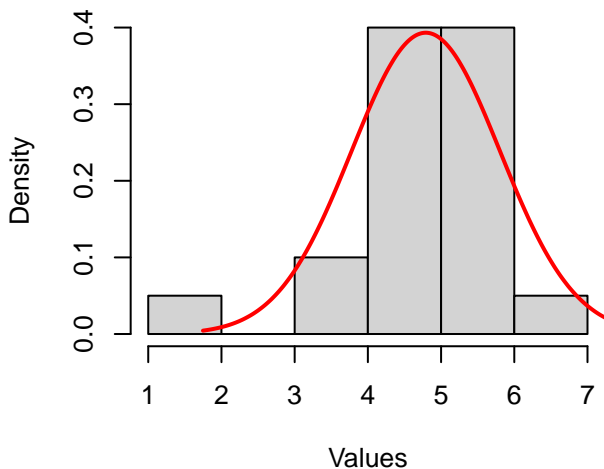
Null hypoth.: population median values of group A equals population median values of group

$W=60$ ,  $p = 0.48$ ,  $p > \alpha$

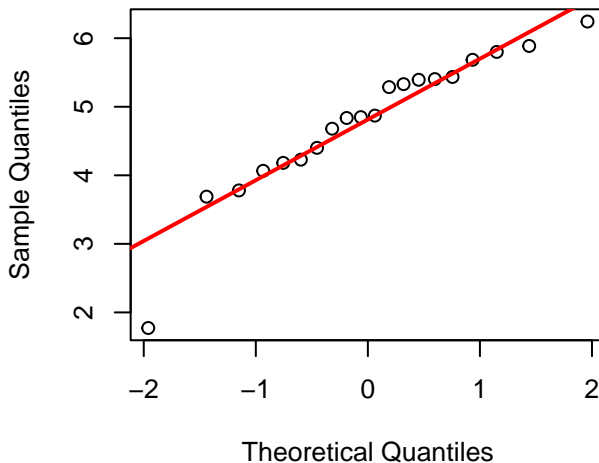


Check for normality of groups:  
A – Shapiro–Wilk:  $p = 0.057$  , B – Shapiro–Wilk:  $p = 0.12$

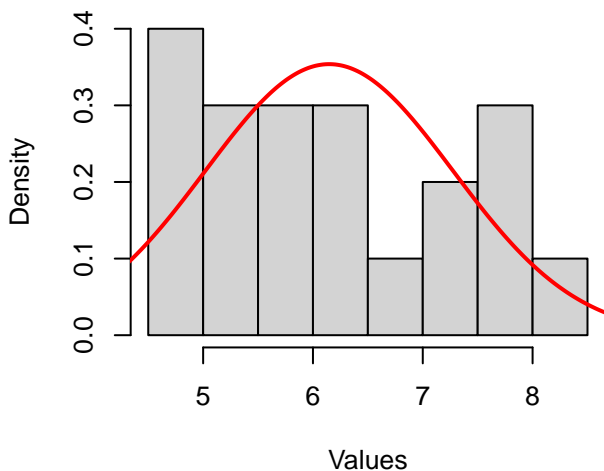
**Histogram – A**



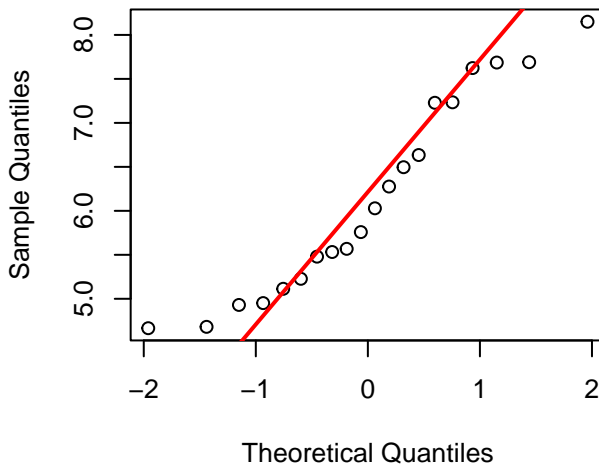
**Q-Q Plot – A**



**Histogram – B**



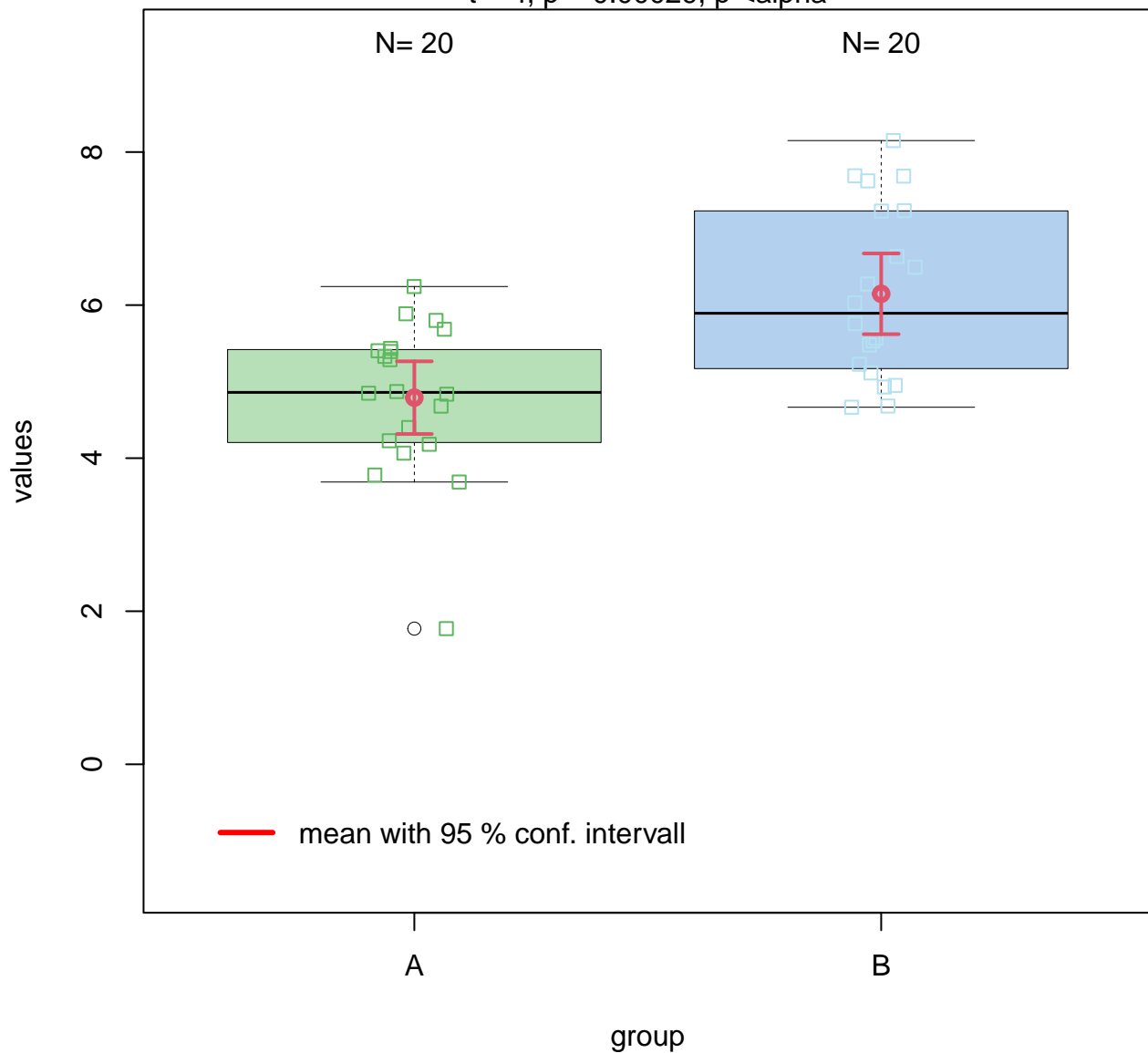
**Q-Q Plot – B**



Welch Two Sample t-test,  $\alpha = 0.05$

Null hypothesis: population mean values of group "A" equals population mean values of group

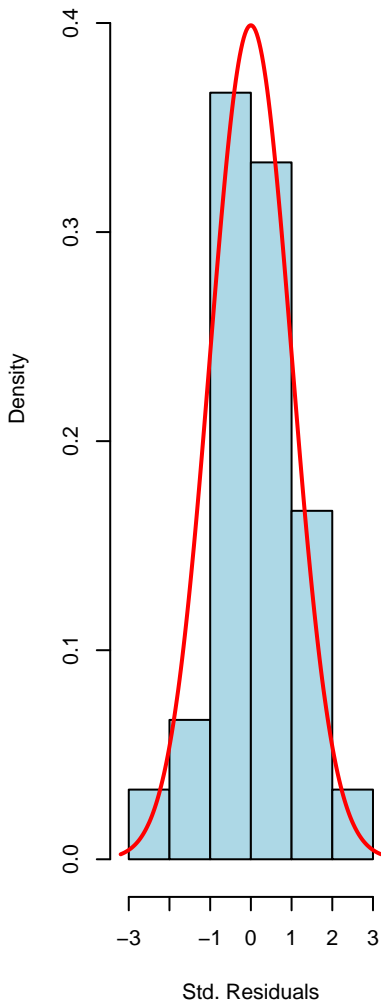
$t = -4$ ,  $p = 0.00029$ ,  $p < \alpha$



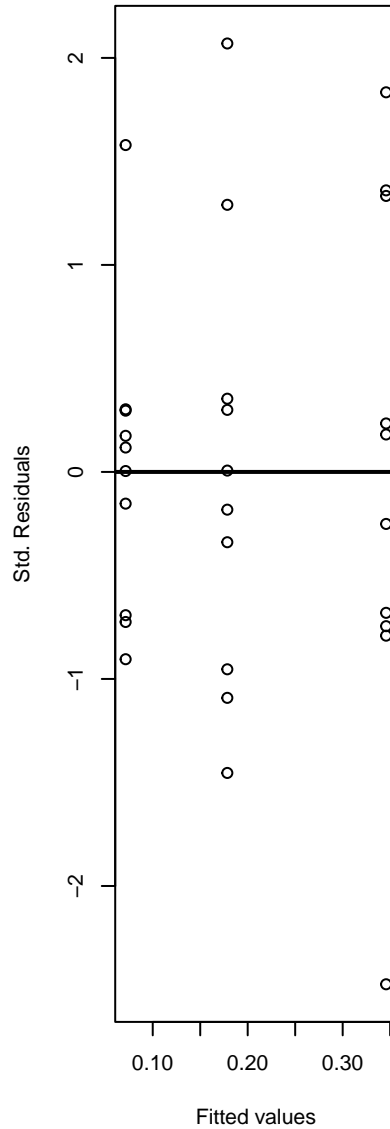


Shapiro p = 0.338 | Anderson-Darling p = 0.148  
Levene-Brown-Forsythe p = 0.247 | Bartlett p = 0.239

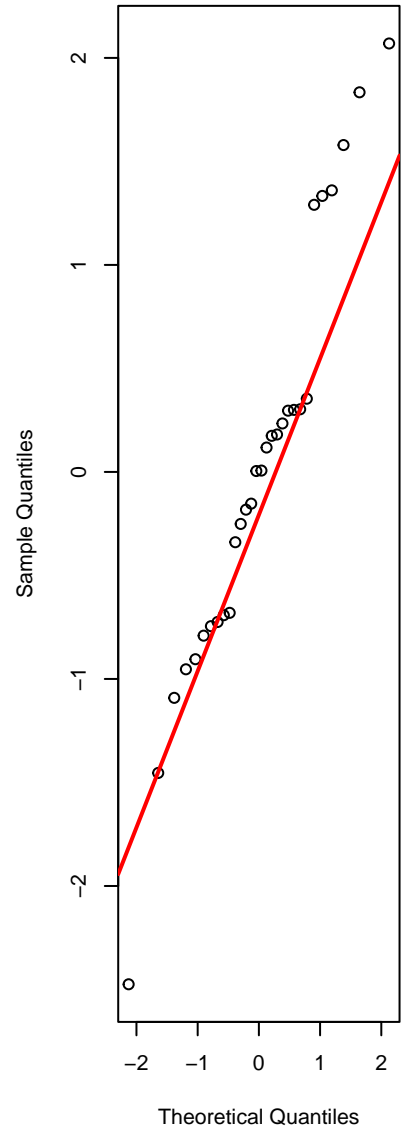
**Hist. of Std. Res.**



**Std. Res. vs. Fitted**

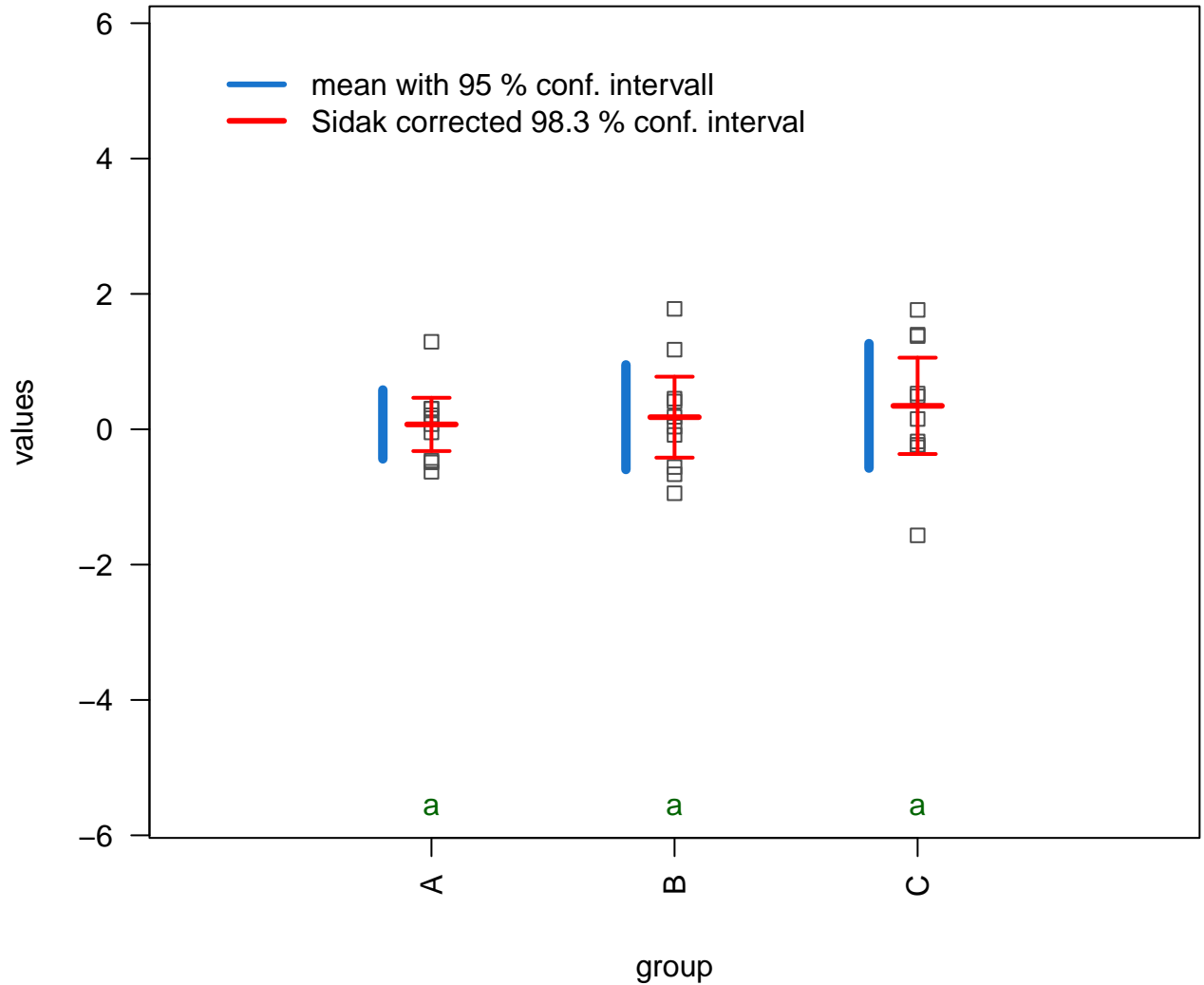


**Normal Q-Q Plot**



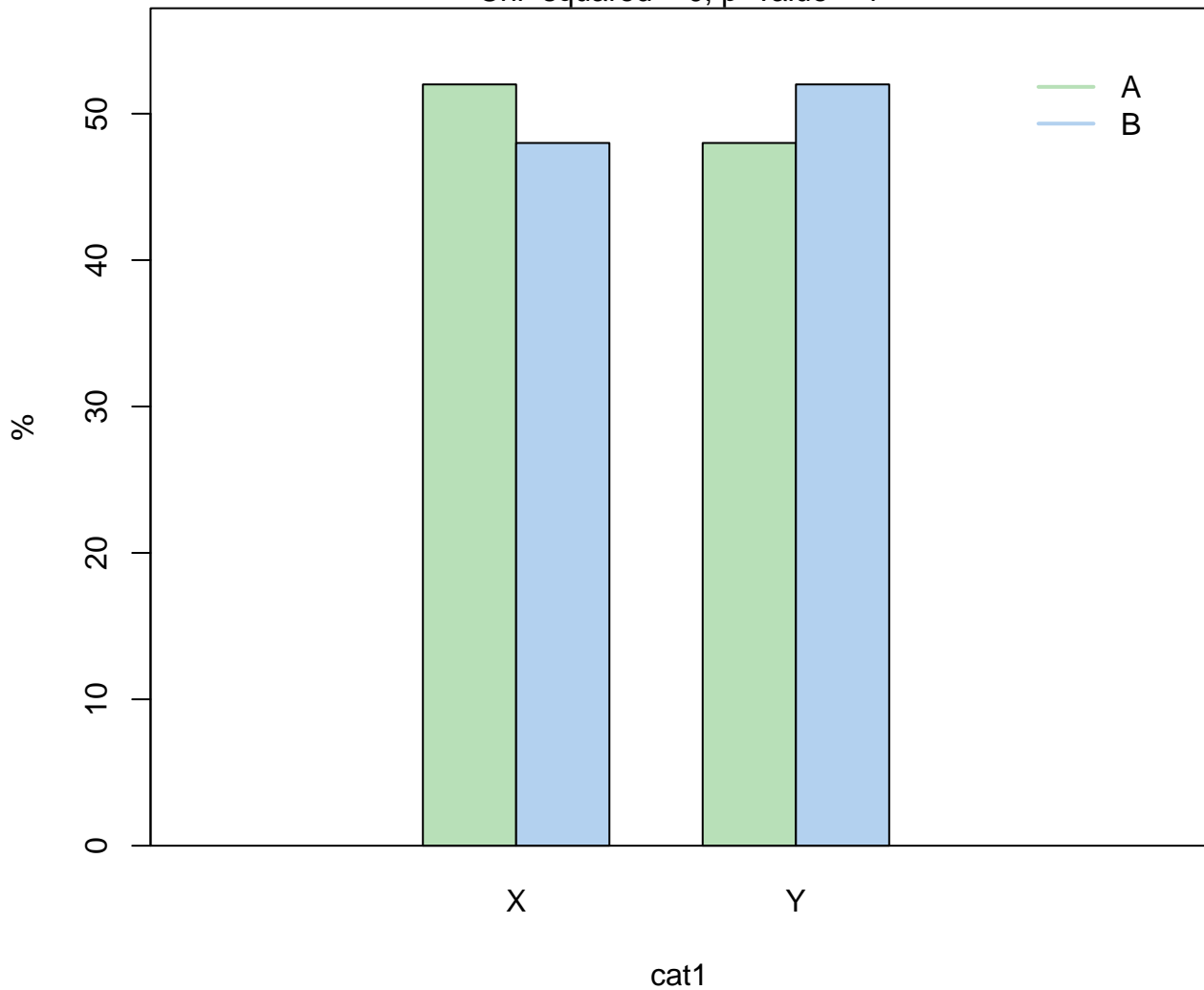
# Fisher's one-way ANOVA

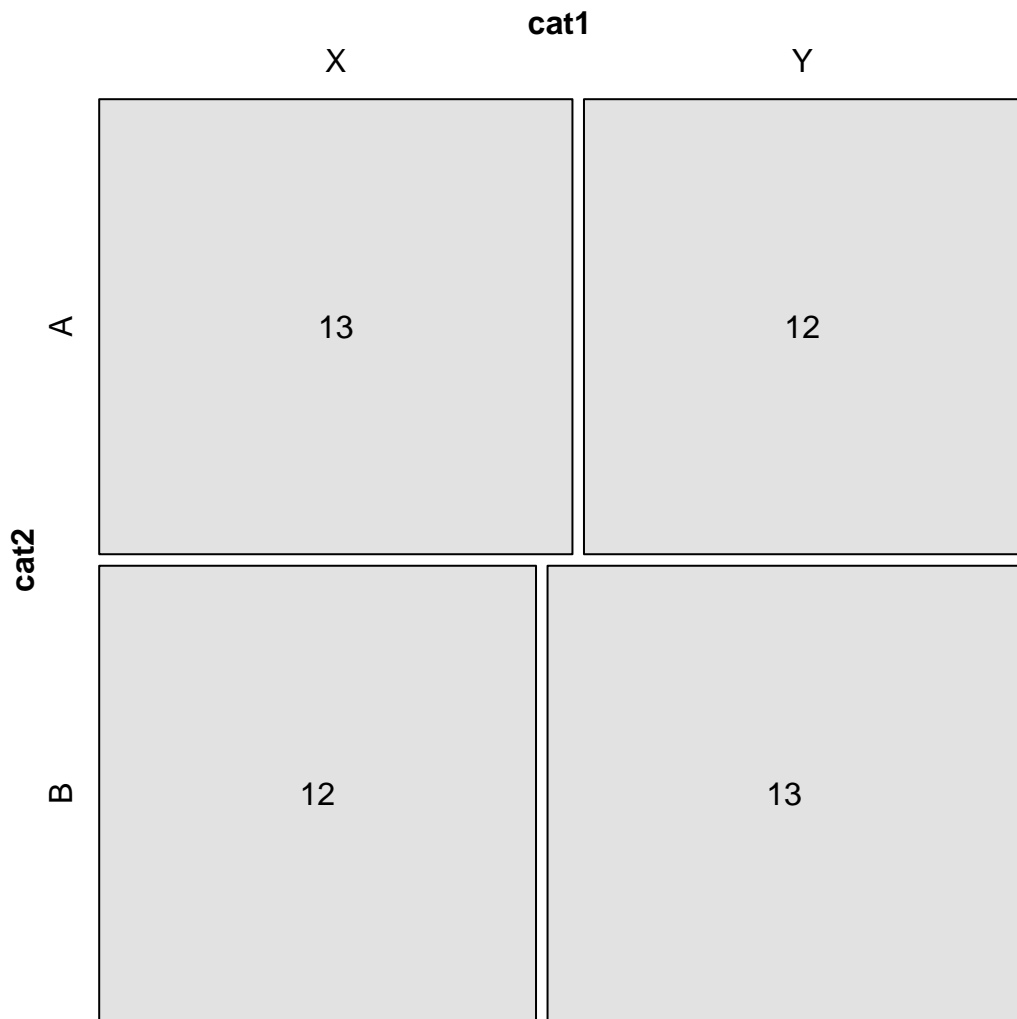
$F = 0.29$ ,  $p = 0.75$



Pearson's Chi-squared test with Yates' continuity correction

Chi-squared = 0, p-value = 1





Pearson  
residuals:

0.14

0.00

-0.14

p-value =  
0.7773