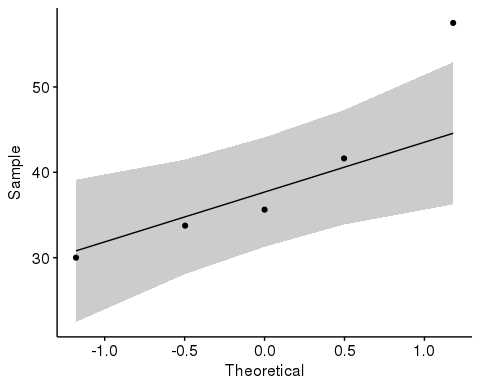
Microplastics in Lettuce: Results

Susannah Budd

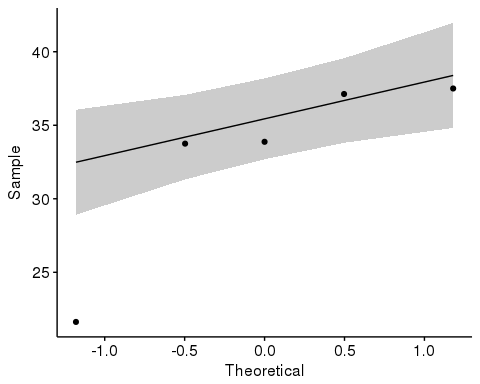
4/22/2019

## Loading required package: ggplot2

## Loading required package: magrittr



##   
## Shapiro-Wilk normality test  
##   
## data: bagged  
## W = 0.87254, p-value = 0.2768



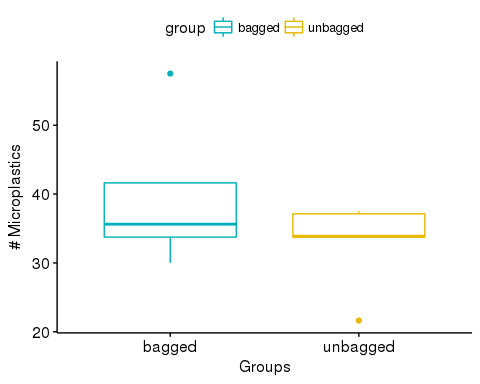
##   
## Shapiro-Wilk normality test  
##   
## data: unbagged  
## W = 0.77016, p-value = 0.04526

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

## # A tibble: 2 x 4  
## group count median IQR  
## <fct> <int> <dbl> <dbl>  
## 1 bagged 5 35.6 7.88  
## 2 unbagged 5 33.9 3.38



## Warning in wilcox.test.default(x = c(57.5, 41.625, 35.625, 30, 33.75), y =  
## c(21.625, : cannot compute exact p-value with zeroes

##   
## Wilcoxon signed rank test with continuity correction  
##   
## data: microplastics by group  
## V = 7, p-value = 0.5839  
## alternative hypothesis: true location shift is not equal to 0

##   
## Two Sample t-test  
##   
## data: bagged and unbagged  
## t = 1.2296, df = 8, p-value = 0.2538  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## -6.062277 19.912277  
## sample estimates:  
## mean of x mean of y   
## 39.700 32.775