## Kod do zadań

```
X
               rplot.jpg
home > docker > @ lab14.r
       library(magrittr)
       library(ggplot2)
       library(datasets)
       library(GGally)
  6
       list_data <- c(1,2,3,4,5,6,7,8,9,10)
       list_data <- sqrt(sum(sin(log2(list_data))))</pre>
       print (paste('Lista po wykonaniu odpowiednich obliczeń',list_data))
       data(iris)
       print(head(iris))
      agg <- iris %>%
          aggregate(. ~Species, .,mean)
       print(agg)
       a <- ggplot(iris, aes(x = Sepal.Width)) +
           geom histogram(aes(fill=Species, color=Species), bins=20) +
           geom_vline(data=agg, aes(xintercept=Sepal.Width, color=Species), linetype="dashed") +
       labs(x='x_axis', y='y_axis', title='title')
       ggsave("/home/rplot.jpg", plot = a)
       a <- ggpairs(data = iris, aes(color = Species))</pre>
       ggsave("/home/rplot2.jpg", plot = a)
```

## Wynik działania funkcji

```
Species Sepal.Length Sepal.Width Petal.Length Petal.Width setosa 5.006 3.428 1.462 0.246
                                                                                                0.246
1.326
 2 versicolor
                                  5.936
                                                       2.770
                                                                             4.260
  3 virginica
 84% est: 0s `stat_bin()` using `bins = 30`. Pick better value with `binwidth`. 88% est: 0s `stat_bin()` using `bins = 30`. Pick better value with `binwidth`. 92% est: 0s `stat_bin()` using `bins = 30`. Pick better value with `binwidth`. 96% est: 0s `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```







