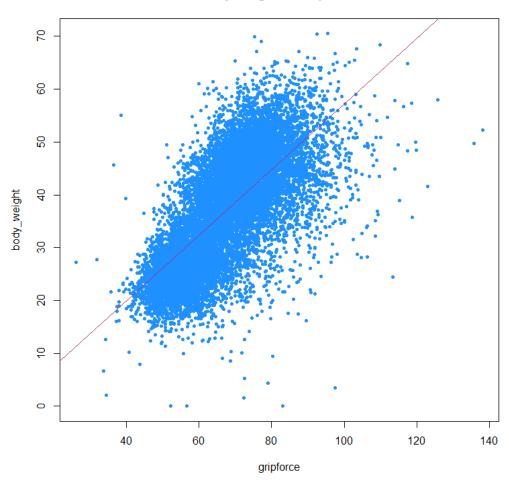
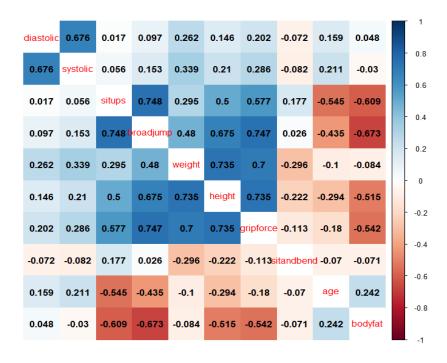
# Plots for the required Result (How the gripforce is related to body weight)

# **Body Weight vs Gripforce**



## **Correlation Plot:**



#### **Final Model Summary:**

# Anderson-Darling normality test & Kolmogorov-Smirnov test:

## **Shapiro-Wilk normality test:**

```
> res <- residuals(final_model)
> res <- res[is.finite(res)]
> n <- length(res)
> n
[1] 13393
> set.seed(1)
> res_sub <- sample(res, 5000)
> result <- shapiro.test(res_sub)
> print(result$p.value)
[1] 4.66291e-26
> |
```