

GGally Notes

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ggcorr to plot correlation matrices

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Correlation matrices show correlation coefficients between many continuous variables. These matrices are created using the `cor` function. The `ggcorr` function from the `ggally` package to plot correlation matrices.

```
#install.packages("GGally")
library(GGally)
library(ggplot2)
library(dplyr)
library(tidyr)
```

```
iris <- tbl_df(iris)
glimpse(iris)
```

```
## Observations: 150
## Variables: 5
## $ Sepal.Length (dbl) 5.1, 4.9, 4.7, 4.6, 5.0, 5.4, 4.6, 5.0, 4.4, 4.9,...
## $ Sepal.Width (dbl) 3.5, 3.0, 3.2, 3.1, 3.6, 3.9, 3.4, 3.4, 2.9, 3.1,...
## $ Petal.Length (dbl) 1.4, 1.4, 1.3, 1.5, 1.4, 1.7, 1.4, 1.5, 1.4, 1.5,...
## $ Petal.Width (dbl) 0.2, 0.2, 0.2, 0.2, 0.2, 0.4, 0.3, 0.2, 0.2, 0.1,...
## $ Species (fctr) setosa, setosa, setosa, setosa, setosa, setosa, ...
```

```
select(iris, -Species) %>%
ggcorr()
```

