

Python exam

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Markdown

This is an Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

Including Plots

You can also embed plots, for example:

We start with python

```
import pandas as pd
import matplotlib.pyplot as plt
import duckdb
import pyarrow
duckdb.sql('SELECT * FROM "./titanic.csv"').df()
```

```
##      column00 pclass survived ... boat body      home.dest
## 0           1      1         1 ...   2   NA      St Louis, MO
## 1           2      1         1 ...  11   NA Montreal, PQ / Chesterville, ON
## 2           3      1         0 ...   NA   NA Montreal, PQ / Chesterville, ON
## 3           4      1         0 ...   NA  135 Montreal, PQ / Chesterville, ON
## 4           5      1         0 ...   NA   NA Montreal, PQ / Chesterville, ON
## ...      ...      ...      ... ...   ...   ...      ...
## 1304        1305      3         0 ...   NA  328      NA
## 1305        1306      3         0 ...   NA   NA      NA
## 1306        1307      3         0 ...   NA  304      NA
## 1307        1308      3         0 ...   NA   NA      NA
## 1308        1309      3         0 ...   NA   NA      NA
##
## [1309 rows x 15 columns]
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.