

pandas (R)osetta: R

Intro to R for Pandas users and vice versa.

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This is a demonstration of basic data wrangling operations in base R.

Sister notebooks demonstrate the exact same operations in Tidyverse R and the Pandas library in Python, just like the Rosetta Stone.

I/O

Create dataframe from scratch

```
df <- data.frame(
  letter = c("a", "b", "c", "d", "e"),
  number = c(1:5),
  fruit = c("apple", "banana", "coconut", "date", "elderberry"),
  vegetable = c("arugula", "beet", "carrot", "daikon", "eggplant"),
  name = c("Alice", "Bob", "Carol", "Dan", "Eve")
)
df
```

```
##   letter number    fruit vegetable  name
## 1      a      1    apple   arugula Alice
## 2      b      2   banana     beet   Bob
## 3      c      3  coconut   carrot Carol
## 4      d      4     date    daikon  Dan
## 5      e      5 elderberry eggplant  Eve
```

Write

```
write.csv(df, "data/R_letters.csv", row.names=FALSE)
write.table(df, "data/R_letters.tsv", sep="\t", row.names=FALSE)
```

Read

```
read.csv("data/R_letters.csv")
```

##	letter	number	fruit	vegetable	name
## 1	a	1	apple	arugula	Alice
## 2	b	2	banana	beet	Bob
## 3	c	3	coconut	carrot	Carol
## 4	d	4	date	daikon	Dan
## 5	e	5	elderberry	eggplant	Eve

```
read.delim("data/R_letters.tsv")
```

##	letter	number	fruit	vegetable	name
## 1	a	1	apple	arugula	Alice
## 2	b	2	banana	beet	Bob
## 3	c	3	coconut	carrot	Carol
## 4	d	4	date	daikon	Dan
## 5	e	5	elderberry	eggplant	Eve