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The R Workshop


Applying the Integrated Suite of Software
Facilities for Statistical Computing and Graphics

University of Georgia
Department of Workforce Education, Leadership, and Social Foundations
College of Education Research Office




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3. Data Import/Export

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Read Data

- **From the console:** `scan()`

```
> x <- scan()
1: 1
2: 2
3: 3
4:
Read 3 items
> x
[1] 1 2 3
```

Data Import/Export



Read Data

- **From a file:** `scan()`

```
> x <- scan(file="c:/mydata/data_x.txt")
> y <- matrix(scan("c:/mydata/data_y.txt"),
ncol=3, byrow=T)
```
- **From a file:** `read.table()`

```
> x <- read.table(file="table.txt", header=T,
sep=" ")
```
- **From a file:** `read.csv()`

```
> x <- read.csv(file="table.csv", header=T)
```

Data Import/Export



Read Data

- **Accessing built-in datasets:** `data()`
`> library("MatchIt")`
`> data("lalonde")`
- **Want the list of built-in datasets contained in the currently loaded packages? Just type `data()`.**
`> data()`

Data Import/Export



Export Data

- **To the console:** `print()`
`> x <- scan()`
1: 1
2: 2
3: 3
4:
Read 3 items
`> print(x)`
[1] 1 2 3

Data Import/Export



Export Data

- **To a file:** `write()`

```
> x <- seq(from=0, to=1, by=0.1)
> write(x, file="output.txt")
```

- **To a file:** `write.table()`

```
> x <- matrix(1:20, 4, 5)
> write.table(x, file="table.txt")
```

Data Import/Export

