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Intro.	Overall	Scripts	Data	Temporary things
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Intro.	Overall	Scripts	Data	Temporary things

What are we going to cover?

Most of the R scripts used in this boot camp assume a certain directory structure, and specific locations for scripts, data files, and images. To wit:

- Scripts directory where R scripts "live"
- Oata directory where data usually comes from and goes to

If images are created, they are considered a type of data.



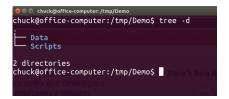
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Intro.	Overall	Scripts	Data	Temporary things
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There are two directories, relative to one another, and anywhere in the file system.

- Data where data files are usually read from or written to
- Scripts where R scripts are executed and "sourced" from

The file and directory names are Unix case sensitive and should be safe in a Windows environment.



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Intro.	Overall	Scripts	Data	Temporary things

Where programs execute.

- "Base" R scripts may source() other script files.
 All files are assumed to live in the scripts directory.
- Access to data files within the R scripts is via the file.path() function.

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Index of /~ccartled/Teaching/2018-Spring/DataAnalysis/Scripts

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[ICO]	Name	Last modified	Size	Description
PARENTD	IR] Parent Directory			
'n –	airTraffic.R	2017-12-15 15:28	5.5K	
ii 👘	anscombe.R	2017-12-15 15:28	666	
ii 👘	cancerData.R	2017-12-15 15:28	12K	
ii 👘	chapter-03-unleashing-R-medicare.R	2017-12-15 15:28	6.5K	
ň	chapter-03-unleashing-R.R.	2017-12-15 15:28		
ň	chapter-04-crime-cluster.R	2017-12-15 15:28	LIK	
ň	chapter-04-iris-cluster.R	2017-12-15 15:28	3.3K	
ň	chapter-04-life-expectancy.R	2017-12-15 15:28	1.06	
ii –	chapter-04.R	2017-12-15 15:28	1.6K	
ň –	chapter-05-life-expectancy.R	2017-12-15 15:28	1.4K	
ii 👘	chapter-05-swiss-voting.R	2017-12-15 15:28	2.6K	
ü –	chapter-05-trucks-help.R	2017-12-15 15:28	339	
ň –	chapter-05-trucks.R	2017-12-15 15:28	1.3K	
ŭ	chapter-06-nosql-R.R	2017-12-15 15:28	6.5K	

Apache Server at www.cs.odu.edu Port 80

All file accesses should be Operating System agnostic.

Intro.	Overall	Scripts	Data	Temporary things
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Sometimes, things need to be persistent.

- Data files live, and die in the data directory.
- The Data directory is one "up" from the Scripts directory.
- All accesses to the data directory are via the file.path() function.



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Index of /~ccartled/Teaching/2018-Spring/DataAnalysis/Data

[ICO]	Name	Last modified	Size	Description
PARENTD	R] Parent Directory			
0	133241021_T_T100D_MARKET_US_CARRIER_ONLY.zip	2017-12-15 15:31	475K	
0	347085990_T_T100D_MARKET_US_CARRIER_ONLY.zip	2017-12-15 15:31	1.8M	
ü	9781782169352_code.zip	2017-12-15 15:31	772K	
ü	9781786466457 Code zip	2017-12-15 15:32	78M	
TXT	Discuss/Z.txt	2017-12-15 15:32	335	
TXT	StrandsPackt.cov	2017-12-15 15:32	17M	
n i –	corpus.dat	2017-12-15 15:32	3.1M	
[IMG]	heart-outline.png	2017-12-15 15:32	188	
n i -	nst-est2016-01	2017-12-15 15:32	17K	
ii 👘	nst-est2016-01.xlsx	2017-12-15 15:32	17K	
ii 👘	rhdfs 1.0.8.zip	2017-12-15 15:32	67K	
ři –	romeoAndJulict.base64	2017-12-15 15:32	202K	
ö	swiss_votes.dat	2017-12-15 15:32	1.7K	

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All file accesses should be Operating System agnostic.

Intro.	Overall	Scripts	Data	Temporary things
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Where temporary things live.

- There are times when data does not need to be persistent.
- Generally these data are stored wherever tempfile() or tempdir() put them.
- Be aware that data stored, either directly or indirectly using these functions may be removed when the R session completes.

All file accesses should be Operating System agnostic.