

Introduction to R

Course Program

Ben R. Fitzpatrick

PhD Candidate, Mathematical Sciences School,
Queensland University of Technology, Brisbane, QLD.

July 1, 2015

Tuesday, 7th July, 2015

Session	Topic	Materials
Morning I	Why R? First Steps with R	<code>Introductory_Slides.pdf</code> <code>1_Basics.R</code>

Tea/Coffee/Stretch

Morning II	First Steps with R	<code>1_Basics.R</code>
------------	--------------------	-------------------------

Lunch Break

Afternoon I	Graphics with ‘ggplot2’	<code>2_Graphics_with_ggplot2.R</code>
-------------	-------------------------	--

Tea/Coffee/Stretch

Afternoon II	Exploring your data with ‘ggplot2’	Please bring some data (we can also find you some online if you’d prefer)
--------------	---------------------------------------	--

Optional Homework

Please read the following two short posts:

<http://stackoverflow.com/questions/1408450/why-should-i-use-version-control> &

<http://stackoverflow.com/questions/2712421/r-and-version-control-for-the-solo-data-analyst>

Wednesday, 8th July, 2015

Session	Topic	Materials
Morning I	Linear Modelling	<code>3_Linear_Modelling.R</code>

Tea/Coffee/Stretch

Morning II	Programming in R	<code>4_Programming.R</code>
------------	------------------	------------------------------

Lunch Break

Afternoon I	Continue Programming in R	<code>4_Programming.R</code>
-------------	---------------------------	------------------------------

Tea/Coffee/Stretch

Afternoon II	Collaboration & Version Control with Git & GitHub	<code>VC_with_GitHub.pdf</code>
--------------	--	---------------------------------

Thursday, 9th July, 2015

Session	Topic	Materials
Morning I	Collaborative Exercise	 CE_Questions.pdf CE_Data.csv

Tea/Coffee/Stretch

Morning II	Presentations of Solutions to Collaborative Exercise	 CE_Solutions.R
------------	--	--------------------

End of Course