



Lesson 1: Introduction to the Spark Environment

1.7 Getting Set Up: R Kernel for Jupyter





- Make sure R is installed: https://cran.r-project.org/bin/
- Install kernel via R (get into an R shell):





And in the notebook:

```
# Set this to where Spark is installed
Sys.setenv(SPARK_HOME="/Users/jonathandinu/spark")

# This line loads SparkR from the installed directory
.libPaths(c(file.path(Sys.getenv("SPARK HOME"), "R", "lib"), .libPaths()))
```

https://github.com/apache/spark/tree/master/R





And in the notebook: library(SparkR)

https://github.com/apache/spark/tree/master/R





jupyter



https://github.com/apache/spark/tree/master/R





Note: If for any reason you cannot get Spark installed on your OS following these instructions, Cloudera and Hortonworks provide Linux VMs with Spark installed.

- http://www.cloudera.com/content/cloudera/en/downloads/quickstart_vms/cdh-5-4-x.html
- http://hortonworks.com/products/hortonworks-sandbox/#install





Review

• Command-line Spark shell: ./bin/pyspark

Spark module: import pyspark as ps

Jupyter Notebook interface: ipython notebook

Also R support in the notebook (or RStudio)!





Next Up: Spark Programming Basics



