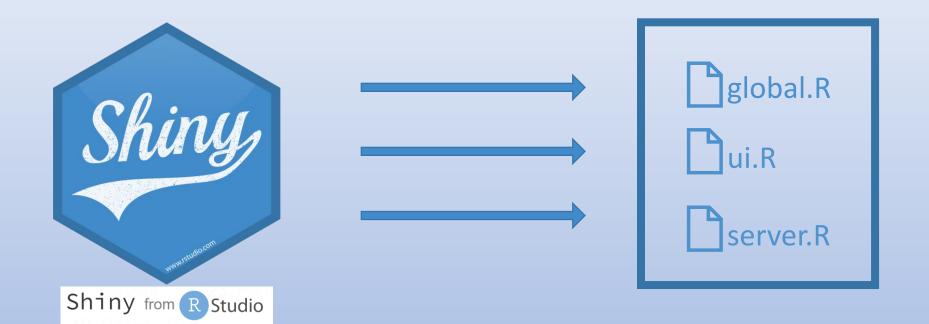


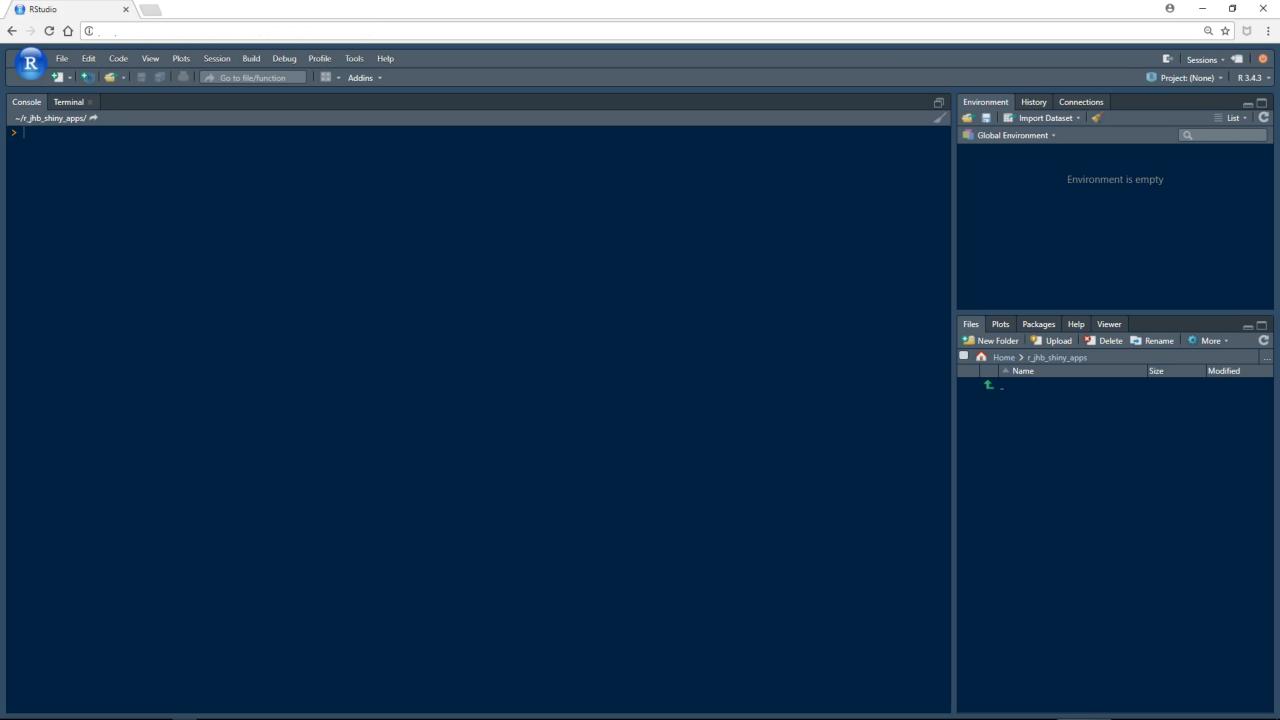


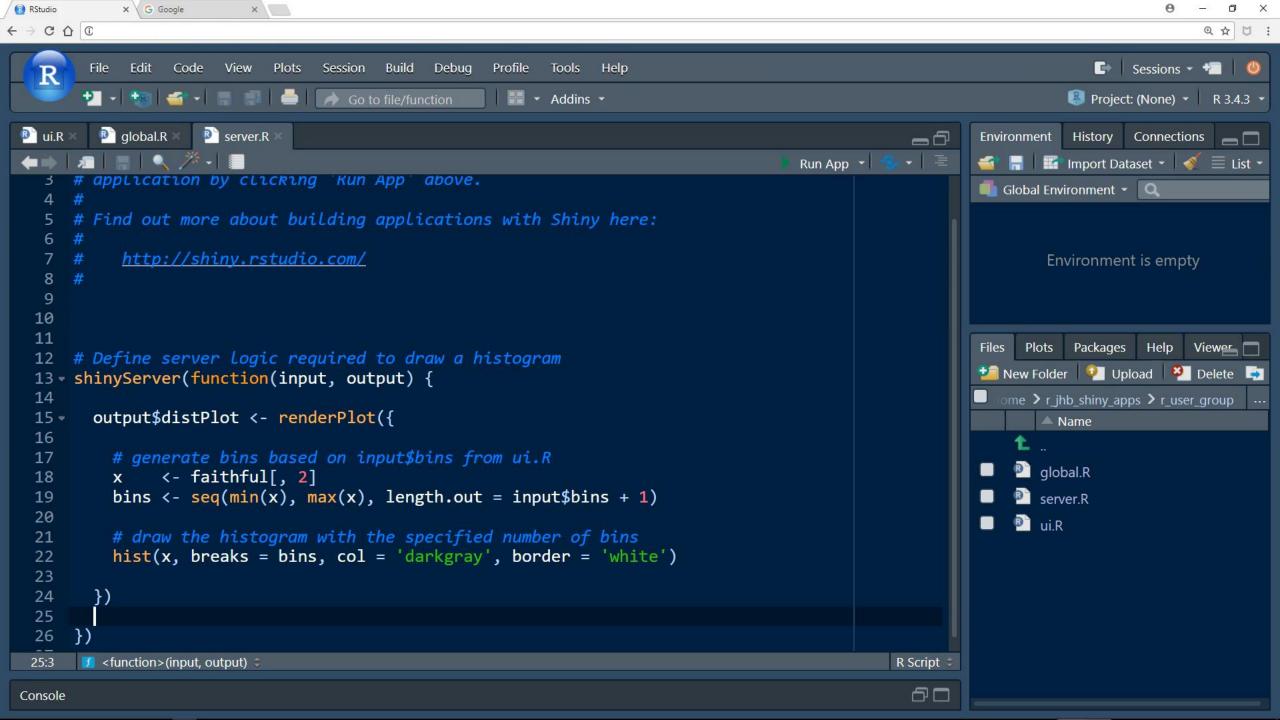
R Package: For rapid and easy development of interactive web apps

"Shiny combines the computational power of R with the interactivity of the modern web"













Lightning-fast unified analytics engine

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Latest News

Spark 2.4.0 released (Nov 02, 2018)

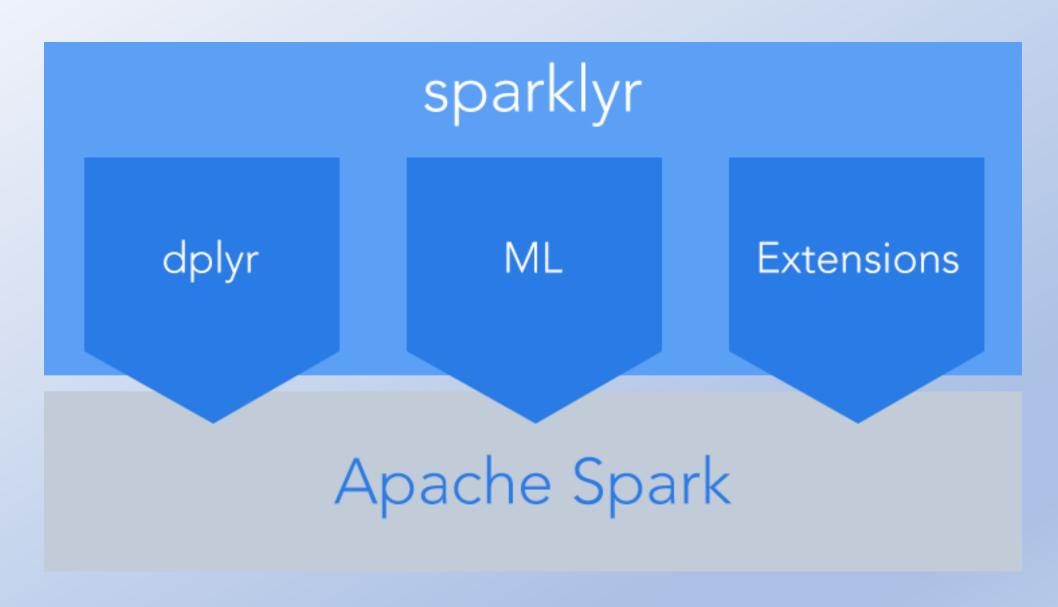
Spark 2.3.2 released (Sep 24, 2018)

Spark+Al Summit (October 2-4th, 2018, London) agenda posted (Jul 24, 2018)

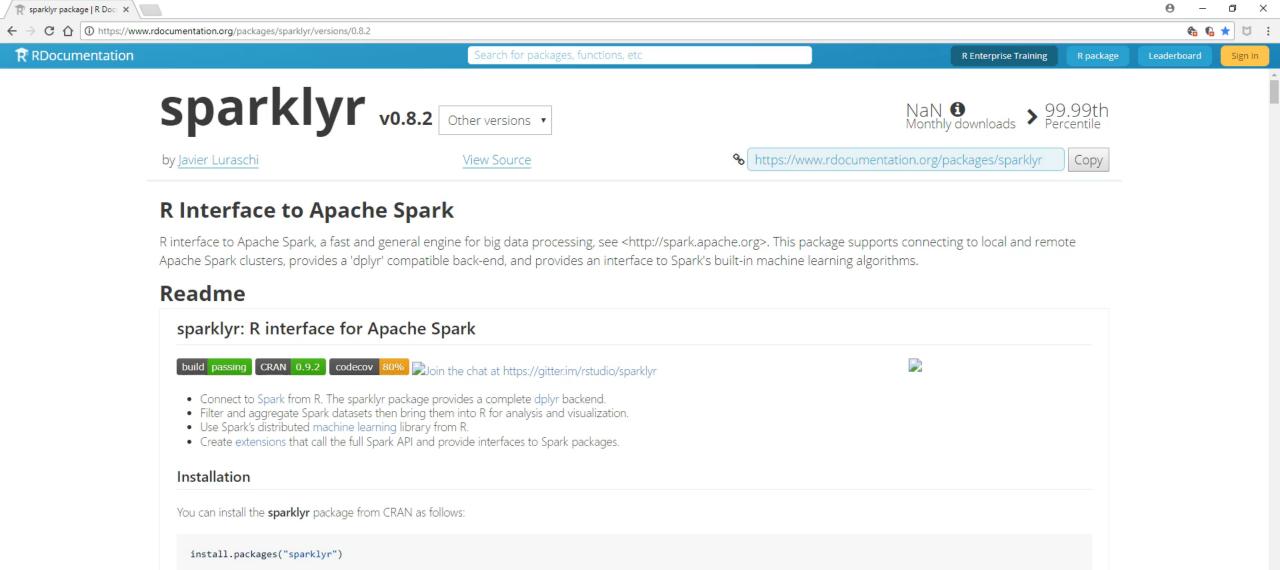
Spark 2.2.2 released (Jul 02, 2018)

Archive





- https://www.rdocumentation.org/packages/sparklyr/versions/0.8.2
- https://spark.rstudio.com/



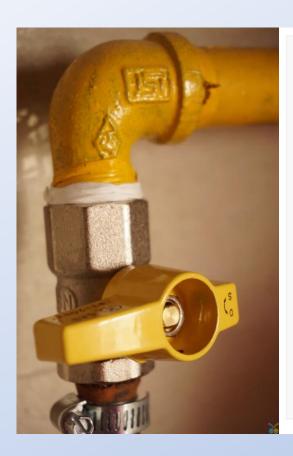


You should also install a local version of Spark for development purposes:

library(sparklyr)

spark install(version = "2.1.0")

ML Pipelines



```
flights_pipeline <- ml_pipeline(sc) %>%
 ft_dplyr_transformer(
    tbl = df
    ) %>%
  ft_binarizer(
    input.col = "dep_delay",
   output.col = "delayed",
   threshold = 15
  ) %>%
  ft_bucketizer(
    input.col = "sched_dep_time",
   output.col = "hours",
    splits = c(400, 800, 1200, 1600, 2000, 2400)
   %>%
  ft_r_formula(delayed ~ month + day + hours + distance) %>%
 ml_logistic_regression()
```

Shiny and SparklyR





Packages

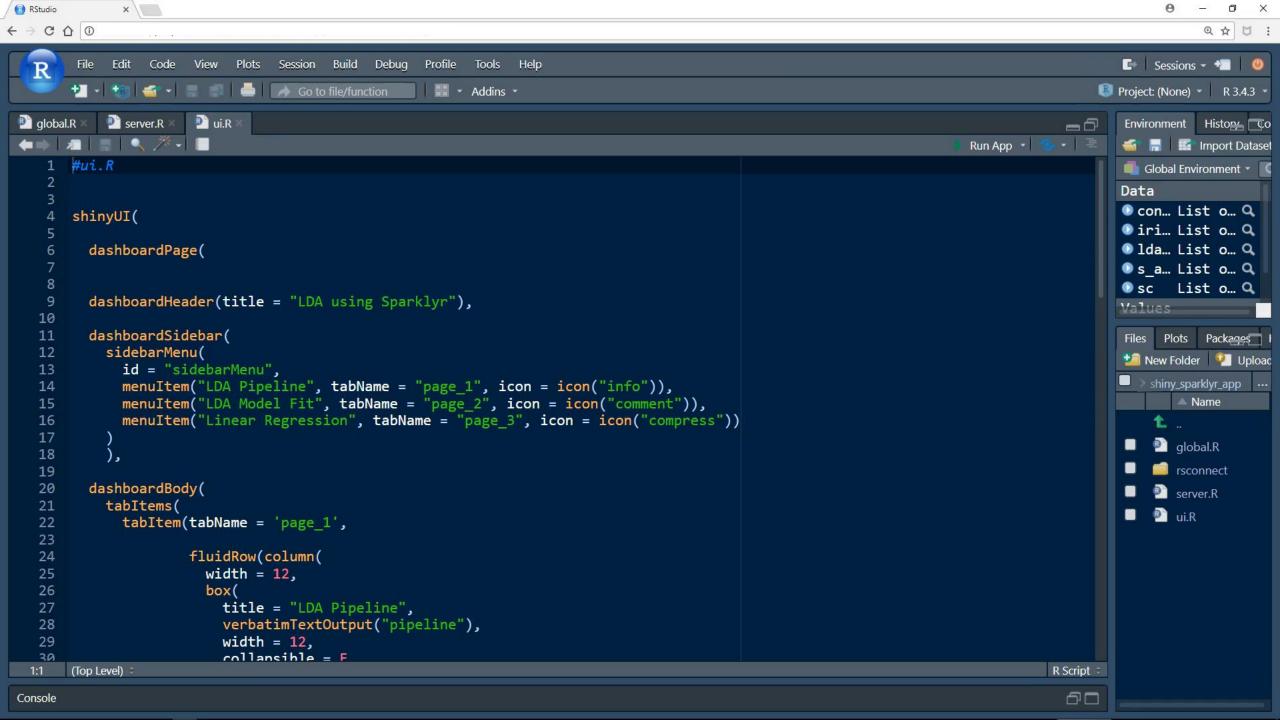
- library(shiny)
- library(sparklyr)

Env Setup

- Sys.setenv(SPARK_HOME="/usr/hdp/2.6.0.3-8/spark2/")
- config <- spark_config()
- sc <- spark_connect(master = "yarn-client",config = config, version = "2.1.0")

Load Data

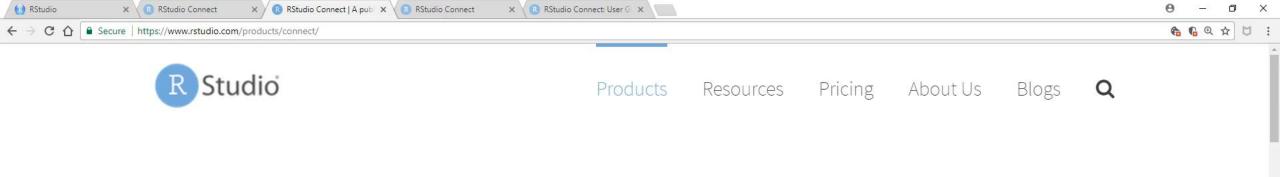
- pth <- "/group/mine/data/my_data_parquet"</p>
- my_data_parquet <- spark_read_parquet(sc,"my_data", path = pth, memory = TRUE, overwrite = TRUE)



R Studio Connect

"Distribute data science across your organisation"





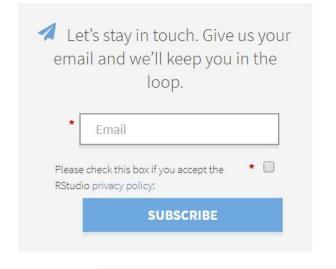
RStudio Connect

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