Rload

Zeppelin

Rload

default ▾

```
val arqData = sqlContext.read.format("com.databricks.spark.csv").option("header", "true").load("/home/scarface/D
```
FINISHED ▷ ⋇ 📖 ⚙

```
arqData: org.apache.spark.sql.Dataset[org.apache.spark.sql.Row] = [ticker: string, dimension: string ... 22 more
 fields]
```

Took 35 sec. Last updated by anonymous at February 14 2017, 10:25:02 AM.

```
val comp_data = sqlContext.read.format("com.databricks.spark.csv").option("header", "true").load("/home/scarface
```
FINISHED ▷ ⋇ 📖 ⚙

```
comp_data: org.apache.spark.sql.Dataset[org.apache.spark.sql.Row] = [ticker: string, dimension: string ... 91 mo
re fields]
```

Took 2 sec. Last updated by anonymous at February 14 2017, 10:40:37 AM.

```
comp_data.toDF().registerTempTable("compData")
```
FINISHED ▷ ⋇ 📖 ⚙

```
warning: there was one deprecation warning; re-run with -deprecation for details
```

Took 1 sec. Last updated by anonymous at February 14 2017, 10:42:06 AM.

```
arqData.toDF().registerTempTable("arqDataTable")
```
FINISHED ▷ ⋇ 📖 ⚙

```
warning: there was one deprecation warning; re-run with -deprecation for details
```

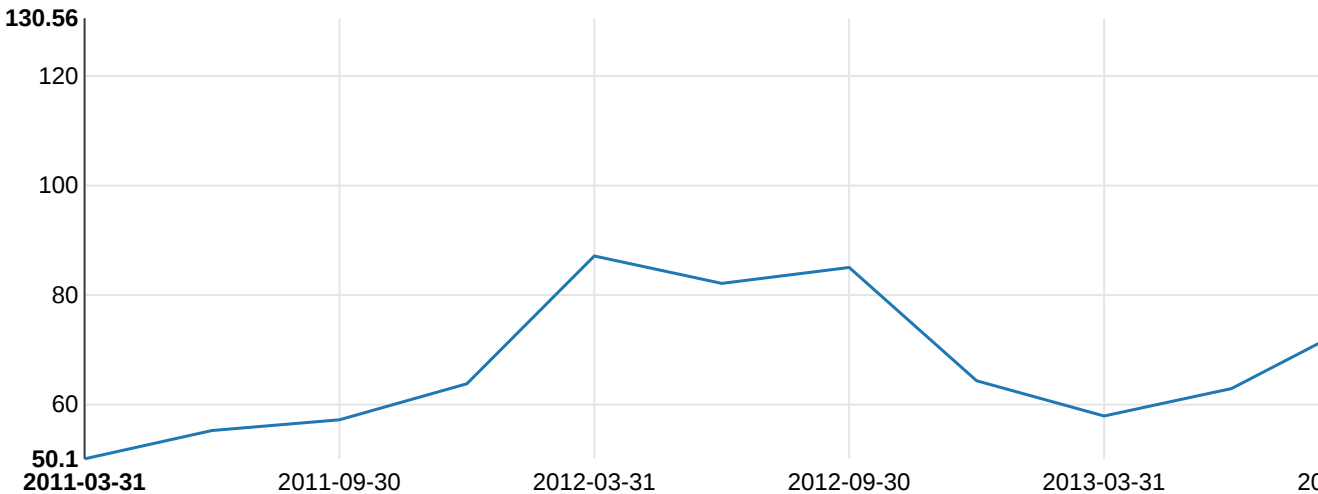Took 2 sec. Last updated by anonymous at February 14 2017, 10:25:20 AM.

```
%sql
select * from compData where dimension='ARQ' and ticker='AAPL'
```
FINISHED ▷ ⋇ 📖 ⚙

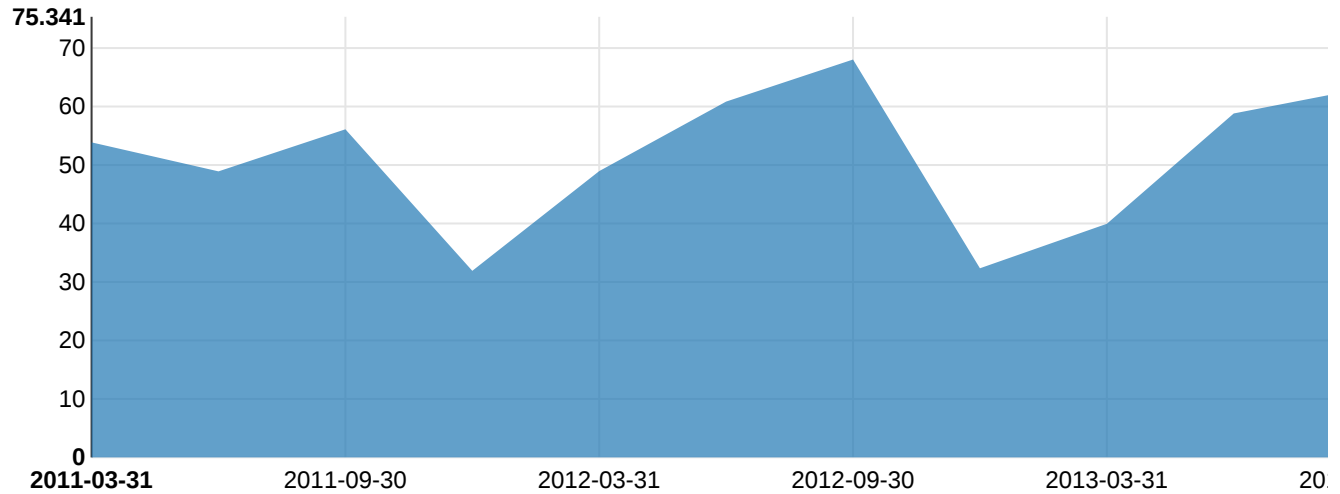settings ▾

Zeppelin

min 15 sec. Last updated by anonymous at February 14 2017, 11:00:40 AM. (outdated)

FINISHED ▷ ⌗ 📖 ⚙

```
%sql
select calendardate, price, eps, price/eps as PbyE from compData where dimension='ARQ' and ticker='AAPL'   default ▼
```

⊞ 📊 🥧 ⛰ 📈 ⠿   ⬇ ▼   settings ▼

● Stacked   ○ Stream   ○ Expanded

75.341

70 ┤
60 ┤
50 ┤
40 ┤
30 ┤
20 ┤
10 ┤
0 ┤
  2011-03-31   2011-09-30   2012-03-31   2012-09-30   2013-03-31   20...

Took 0 sec. Last updated by anonymous at February 15 2017, 12:10:53 PM. (outdated)

FINISHED ▷ ⌗ 📖 ⚙

```
%sql
select calendardate, price, eps from compData where dimension='ARQ' and ticker='AAPL'
```

⊞ 📊 🥧 ⛰ 📈 ⠿   ⬇ ▼   settings ▼

130.56

120 ┤
100 ┤
80 ┤
60 ┤
40 ┤
20 ┤
0 ┤
  2011-03-31   2011-09-30   2012-03-31   2012-09-30   2013-03-31   20...
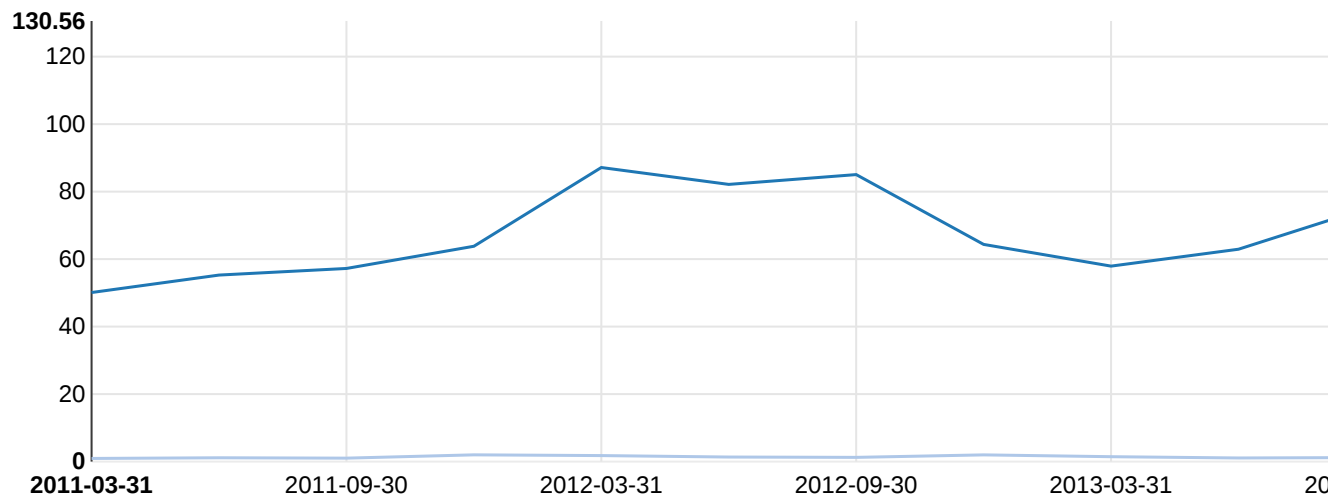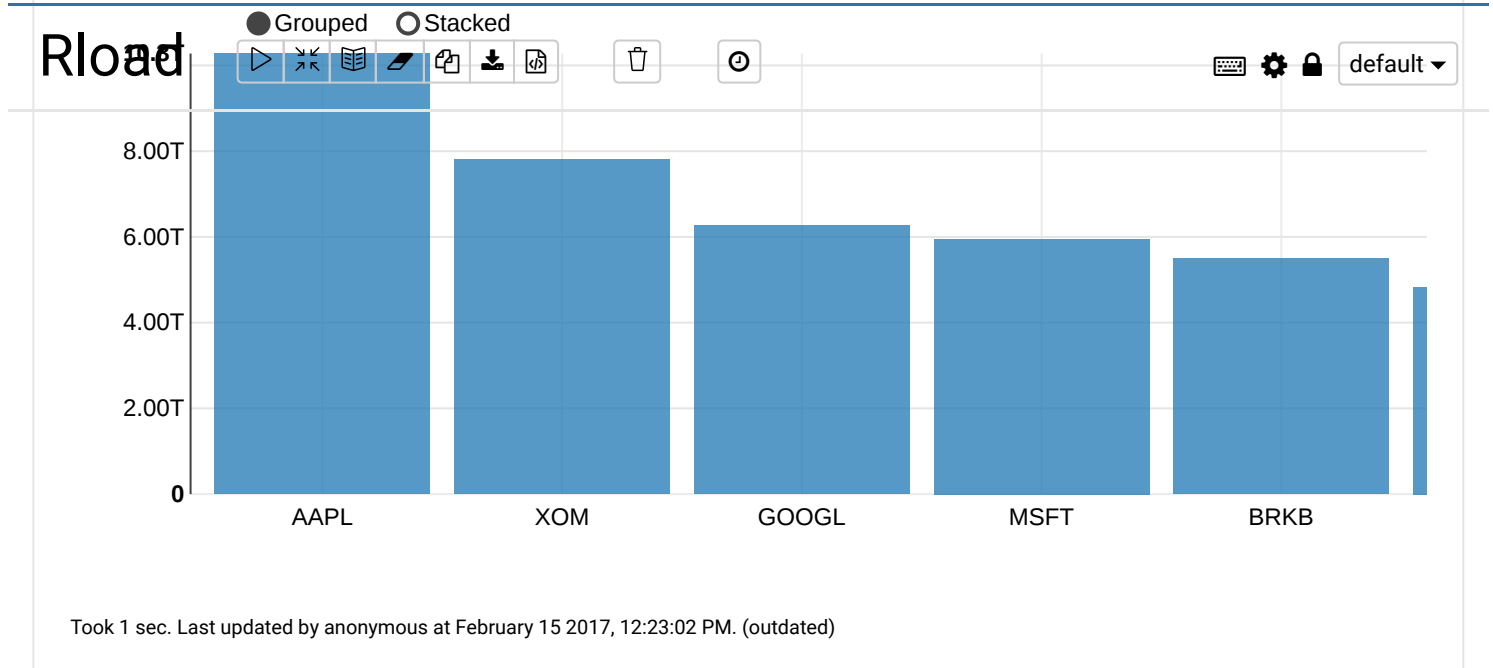
Took 0 sec. Last updated by anonymous at February 15 2017, 12:11:18 PM. (outdated)

FINISHED ▷ ⌗ 📖 ⚙

```
%sql
select ticker, SUM(marketcap) as total_marketcap from compData where dimension='ARQ' GROUP BY ticker ORDER BY to...
```

Rload Zeppelin

Rload

○ Grouped ○ Stacked

Took 1 sec. Last updated by anonymous at February 15 2017, 12:23:02 PM. (outdated)

---

arqData.printSchema   FINISHED

```
root
 |-- ticker: string (nullable = true)
 |-- dimension: string (nullable = true)
 |-- calendardate: string (nullable = true)
 |-- assets: string (nullable = true)
 |-- assetsc: string (nullable = true)
 |-- capex: string (nullable = true)
 |-- cor: string (nullable = true)
 |-- currentratio: string (nullable = true)
 |-- ebit: string (nullable = true)
 |-- ebt: string (nullable = true)
 |-- eps: string (nullable = true)
 |-- gp: string (nullable = true)
 |-- grossmargin: string (nullable = true)
 |-- intexp: string (nullable = true)
 |-- liabilitiesc: string (nullable = true)
 |-- netinc: string (nullable = true)
 |-- netmargin: string (nullable = true)
```

Took 0 sec. Last updated by anonymous at January 29 2017, 9:35:32 AM.

FINISHED

```
%r
arq <- read.csv(file = "/home/scarface/Desktop/sem-3/capstone/ARQ_Data_Indicators.csv")
save(arq, file="arq.rdata")
load("arq.rdata")
nrow(arq)

[1] 89206
```

Took 6 sec. Last updated by anonymous at January 29 2017, 9:43:42 AM.

FINISHED

```
%r
View(arq)
```

Zeppelin

Took 13 sec. Last updated by anonymous at January 29 2017, 9:45:29 AM.

Rload

```
%spark.r
print(arq)
```

1	A	ARQ	31-03-2011	8044000000	4598000000
2	A	ARQ	30-06-2011	8649000000	5096000000
3	A	ARQ	30-09-2011	8753000000	5223000000
4	A	ARQ	31-12-2011	9057000000	5569000000
5	A	ARQ	31-03-2012	9099000000	5715000000
6	A	ARQ	30-06-2012	9413000000	6010000000
7	A	ARQ	30-09-2012	9757000000	4211000000
8	A	ARQ	31-12-2012	10536000000	4629000000
9	A	ARQ	31-03-2013	10653000000	4712000000
10	A	ARQ	30-06-2013	10587000000	4818000000
11	A	ARQ	30-09-2013	10278000000	4584000000
12	A	ARQ	31-12-2013	10686000000	4983000000
13	A	ARQ	31-03-2014	10638000000	5073000000
14	A	ARQ	30-06-2014	11026000000	5377000000
15	A	ARQ	30-09-2014	10380000000	4834000000
16	A	ARQ	31-12-2014	10831000000	5500000000
17	A	ARQ	31-03-2015	7519000000	3654000000
18	A	ARQ	30-06-2015	7412000000	3620000000

Took 14 sec. Last updated by anonymous at January 29 2017, 9:48:47 AM.

ERROR

```
arqData
```

```
<console>:26: error: not found: value arqData
       arqData
       ^
```

Took 26 sec. Last updated by anonymous at February 14 2017, 10:20:02 AM.

READY