Modern KPI Tracking in R

Nelson Auner

Affirm, Inc

twitter.com/nelsonauner

Why should I?

1. Put important business metrics in the hands of the people who need them

2. Generate communication between teams

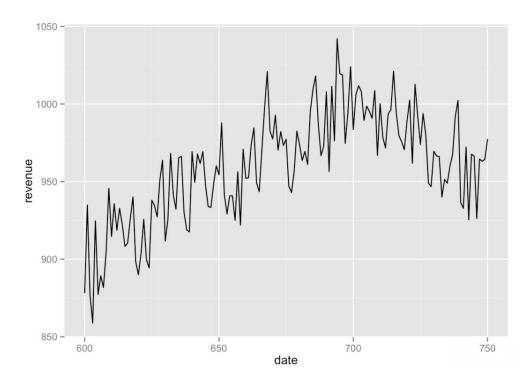
3. Reveal patterns or trends you wouldn't have thought to look for

Example



Report for email

Gross revenue:



Why not dashboards?

Execs don't want to click to links on dashboards

They don't want to open an attachment

They want to read it on their iphone!

It really works!

"I absolutely love the attention that metrics are getting here"

- Tech CEO, in the midst of a company-wide email discussion in response to weekly metrics email

The Recipe

1. Connect R with your data warehouse

1. Formulate analysis

1. Set up ELT job, actual email delivery

1. Connect R with your data warehouse

```
flowers <- src_postgres()</pre>
```

Loading in data

dplyr syntax

You can also use SQL syntax

```
flowers %>% tbl(sql("SELECT * FROM iris"))
```

2. Formulate Analysis

This week vs. last week

This week vs. projected goals

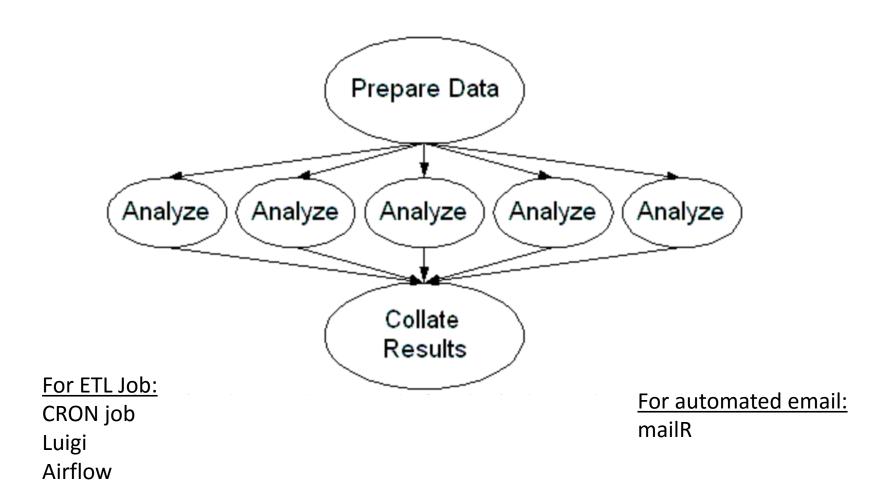
Flower statistics

```
Source: local data frame [1 x 2]

meanSepal meanPetal
(dbl) (dbl)

1 5.843333 3.758
```

3. DAG Job + Email delivery



Q&A

Connect:

nelson@nelsonauner.com

twitter.com/nelsonauner