HTMLWIDGETS & FLEXDASHBOARDS

Two Really Long Words that Make Sharing Data Viz Easy

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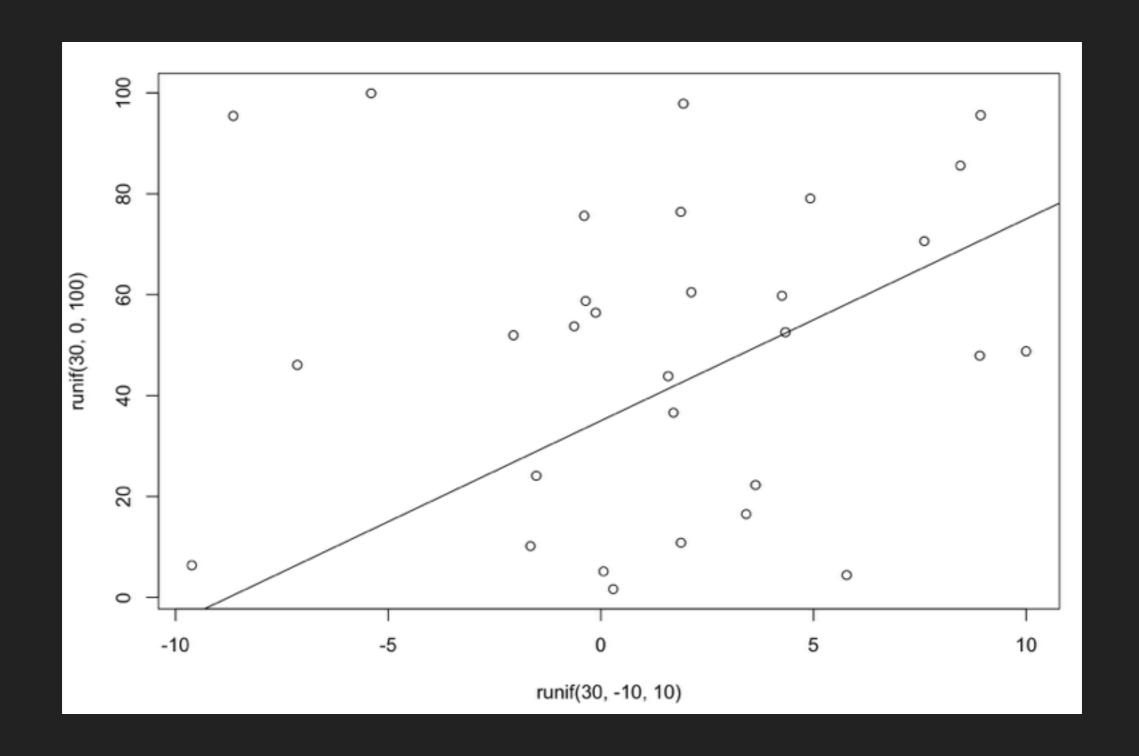
GIT THE CODE HERE:

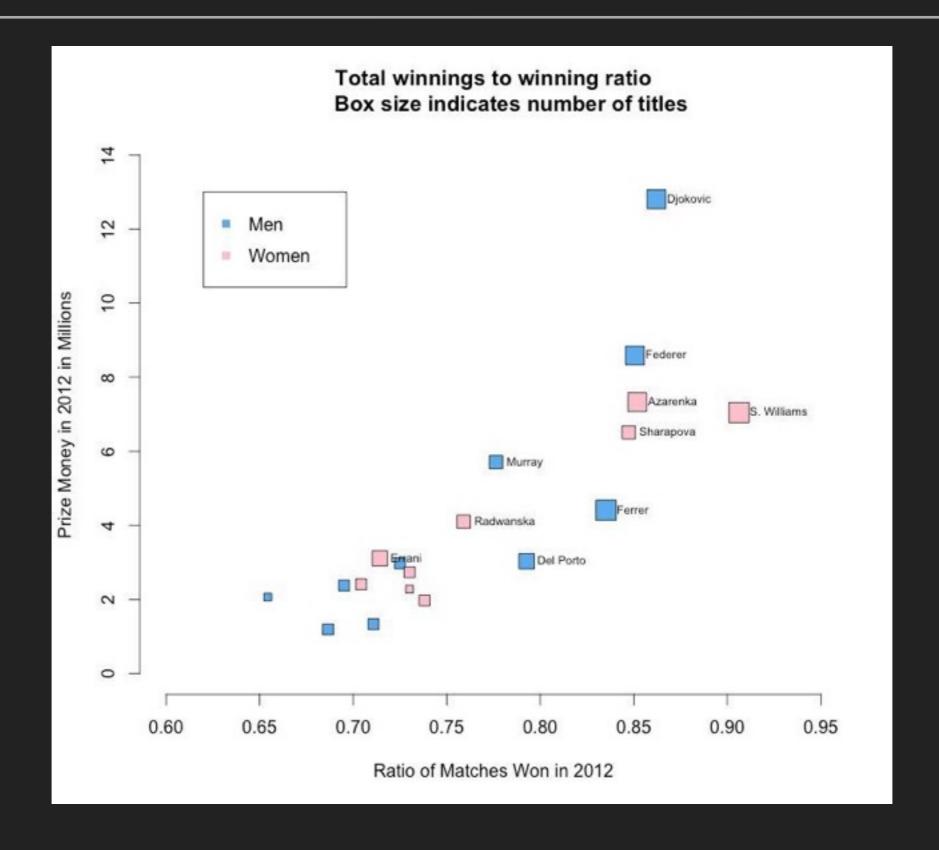
HTTPS://GITHUB.COM/MELKAY/R_MEETUP_HTMLWIDGETS

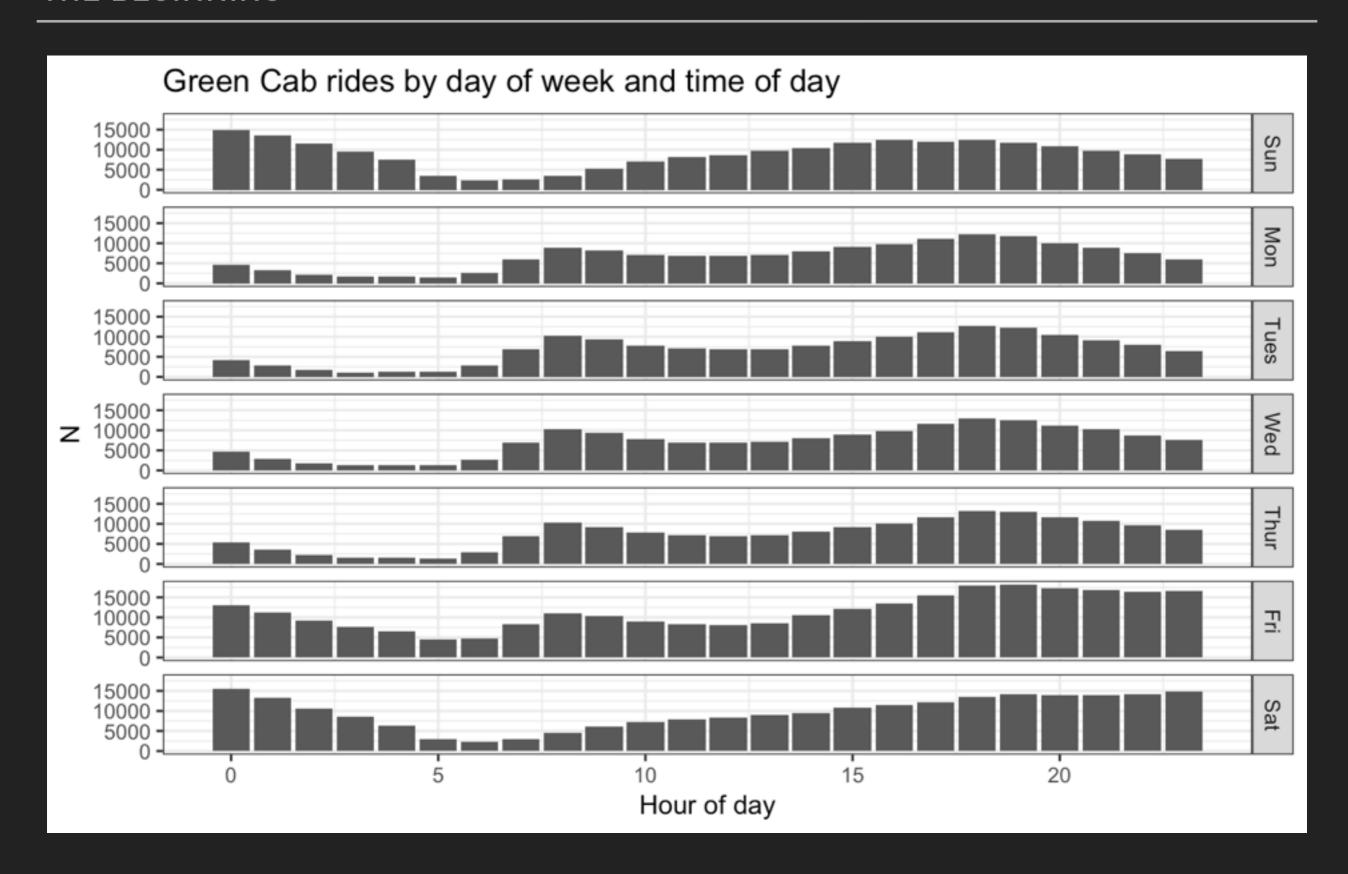
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A JOURNEY TO PRACTICAL AND PRETTY

- The beginning base graphics and ggplot2
- Grown up viz htmlwidgets
- Grown up distribution flexdashboards







Dec 11, 2013 · 6:30 PM

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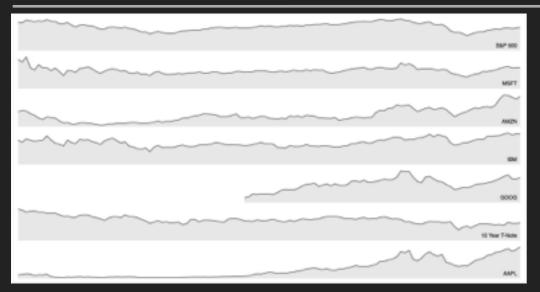
The Web According to Emerson (getting started with Shiny and More)



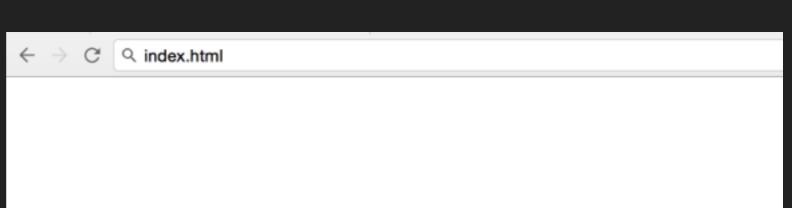
81 Data hackers | *******

For December we have Jay Emerson from Yale discussing his new package, ShinyHelper, designed to help people get started with Shiny from RStudio. About the talk: In the... LEARN MORE

GROWING PAINS



```
var margin = (top: 8, right: 10, bottom: 2, left: 10),
   width = 960 - margin.left - margin.right,
   height = 60 - margin.top - margin.bottom;
 var parseDate = d3.time.format("%b %Y").parse;
 var x = d3.time.scale()
    .range([0, width]);
d3.tsv("stocks.tsv", type, function(error, data) {
  var symbols = d3.nest()
    .ksy(function(d) { roturn d.symbol; })
    .entries(data);
    x.domain({
    d3.min(symbols, function(symbol) { return symbol.values[0].date; }),
    d3.max(symbols, function(symbol) { return symbol.values[symbol.values.length - 1].date; })
});
   var svg = d3.select("body").selectAll("svg")
    .data(symbols)
    .enter().eppend("svg")
    .attr("width", width = margim.left + margin.right)
    .attr("height", height + margin.top + margin.bottom)
    .append("g")
    .attr("transform", "translate(" + margin.left + "," + margin.top + ")")
    .each(function(symbol) {
        symbol.y = d3.seale.linear()
        .domain([0, d3.max(symbol.values, function(d) { return d.price; }}))
        .range([height, 0]);
        ));
    svg.append("path")
.attr("class", "area")
.attr("o", function(symbol) {
    return dl.swg.area()
        .xf function(d) { return x(d.date); })
        .yl function(d) { return symbol.y(d.price); })
        .yb(height)
        (symbol.values);
};
     n x(d.date); })
n symbol.y(d.price); })
     swg.append("text")
   .attr("x", width = 6)
   .attr("y", height = 6)
   .style("text-anchor", "end")
   .text(function(symbol) { return symbol.key; });
function type(d) (
    d.price = -d.price;
    d.date = parseDate(d.date);
    return d;
```



HTMLWIDGETS

- Accessible step into interactivity
- http://www.htmlwidgets.org/

FLEXDASHBOARDS

- A distribution method fit for execs
- http://rmarkdown.rstudio.com/flexdashboard/

THE DATA

- January 2016 Green Cab Trips in NYC
- http://www.nyc.gov/html/tlc/html/about/trip_record_data.shtml

THE CODE

https://github.com/melkay/R_meetup_htmlwidgets

RESOURCES

- http://www.htmlwidgets.org
- http://rmarkdown.rstudio.com/flexdashboard/
- https://www.rstudio.com/resources/webinars/