Boxplot

<http://bl.ocks.org/jensgrubert/7789216>

<http://informationandvisualization.de/blog/box-plot>

add new type plot for vega

vvage-lite>src>compile>mark

boxplot :68

modeskew = (mean- median)/stdev;

<http://mathworld.wolfram.com/PearsonsSkewnessCoefficients.html>

ROBPCA : skewness + outlinear

Outliner

https://www.youtube.com/watch?v=bas3-Ue2qxc

Final goal:

abstraction level

learning user behavior

# Scagnostics

<script type="text/javascript" src="https://idatavisualizationlab.github.io/Scagnostics2018/scagnostics/build/js/scagnostics.min.js"></script>

msg += "<br/>1. Outlying score: " + scag.outlyingScore + ", outlying edge cut point: " + scag.outlyingUpperBound;

//Skewed

msg += "<br/>2. Skewed score: " + scag.skewedScore;

//Sparse

msg += "<br/>3. Sparse score: " + scag.sparseScore;

//Clumpy

msg += "<br/>4. Clumpy score: " + scag.clumpyScore;

//Striated

msg += "<br/>5. Striated score: " + scag.striatedScore;

//Convex

msg += "<br/>6. Convex score: " + scag.convexScore;

//Skinny

msg += "<br/>7. Skinny score: " + scag.skinnyScore;

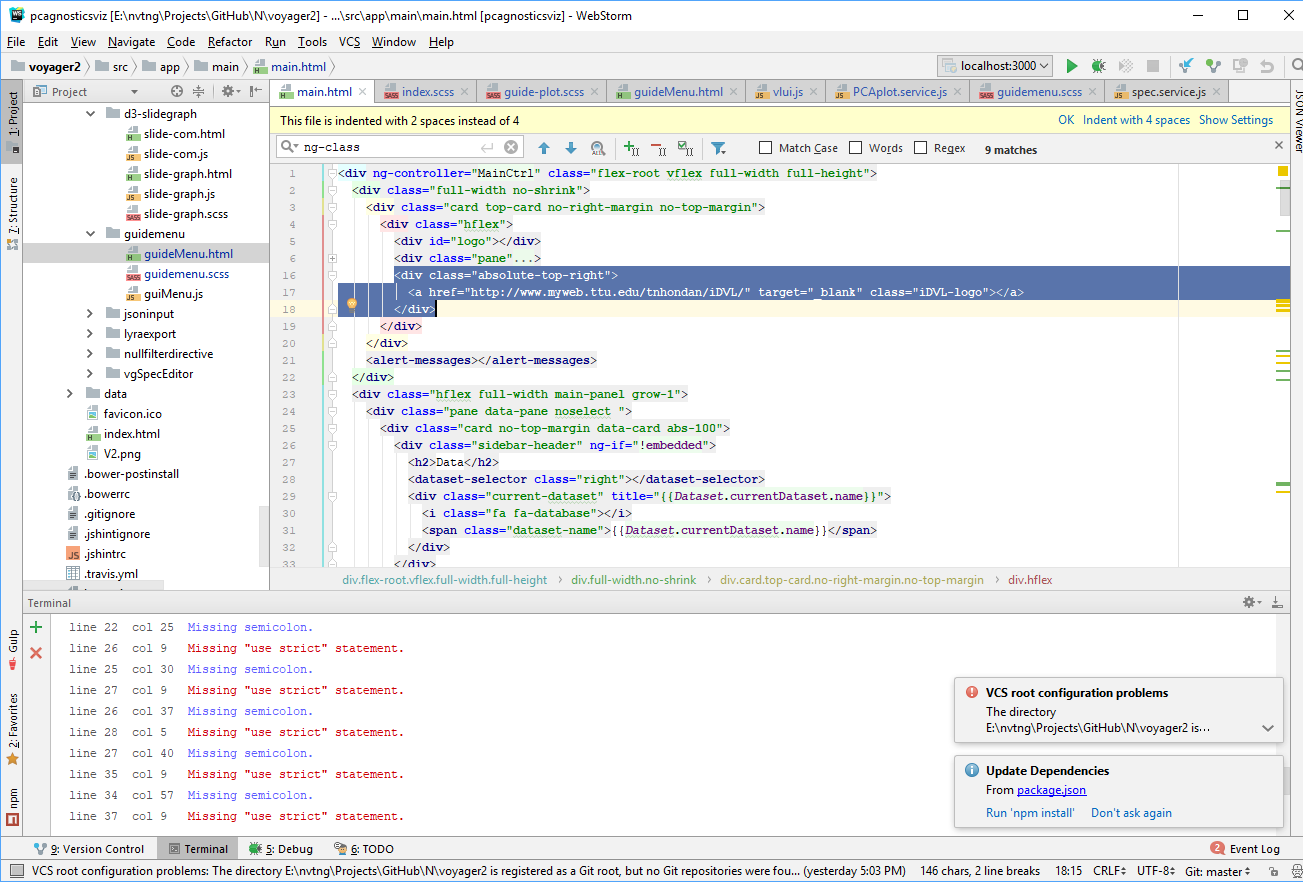
//Stringy

msg += "<br/>8. Stringy score: " + scag.stringyScore;

//Monotonic

msg += "<br/>9. Monotonic score: " + scag.monotonicScore;

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[https://sope.prod.reuters.tv/program/rcom/v1/scroll?edition=us&pageid=USKCN1MQ1LN](https://sope.prod.reuters.tv/program/rcom/v1/scroll?edition=us&pageid=USKCN1MP2I2)

world news: **USKCN1M**P0Y6

**USKCN1M**Q2PM

<https://sope.prod.reuters.tv/program/rcom/v1/related-videos?pageid=USKCN1MP2I2>

[https://ieeexplore.ieee.org/abstract/document/6741396 2014](https://ieeexplore.ieee.org/abstract/document/6741396%202014)

// R stemDocument

stemDocument

install.package(‘tm’)