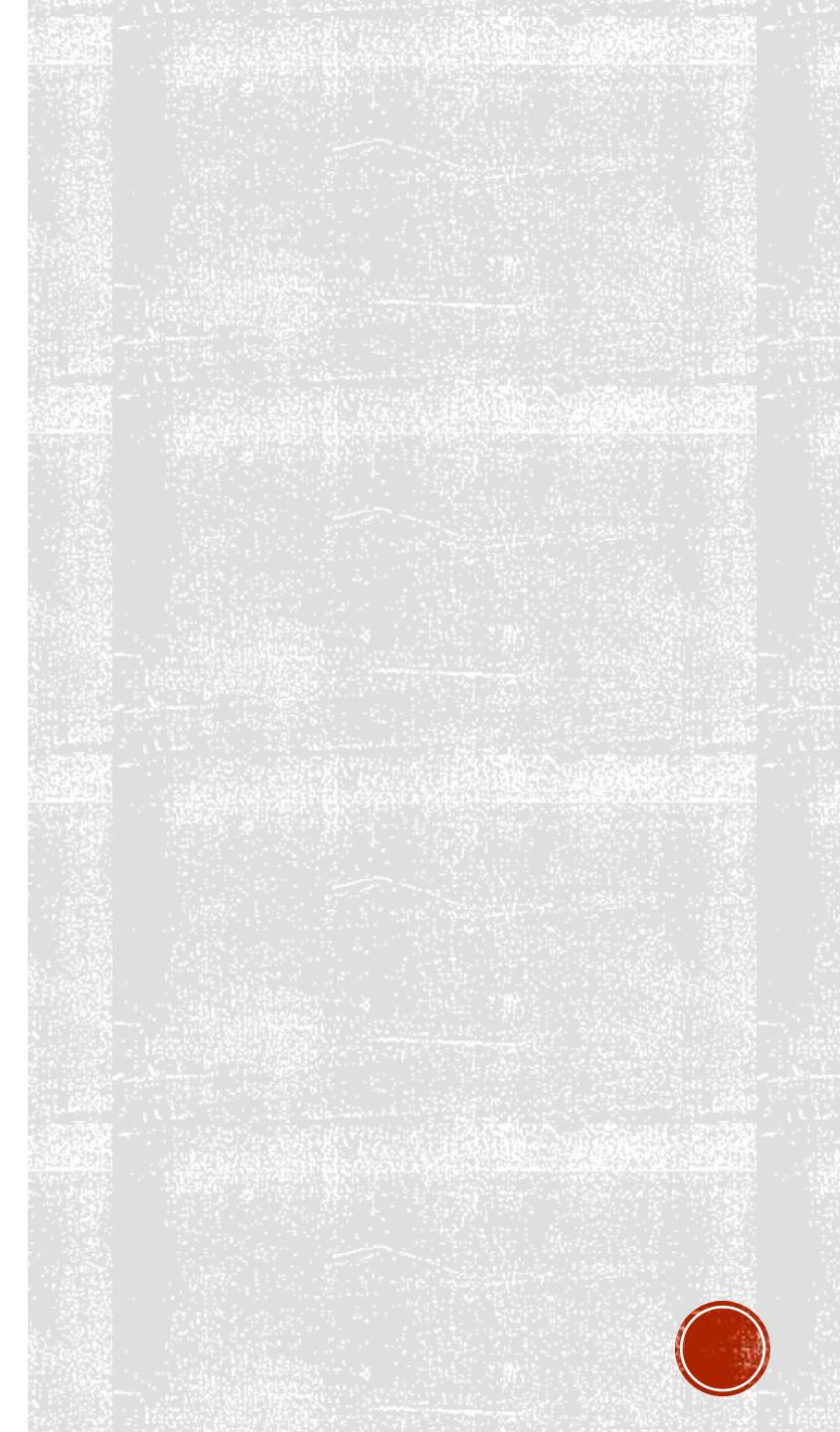


VISUAL ANALYTICS

ASSIGNMENT - 1



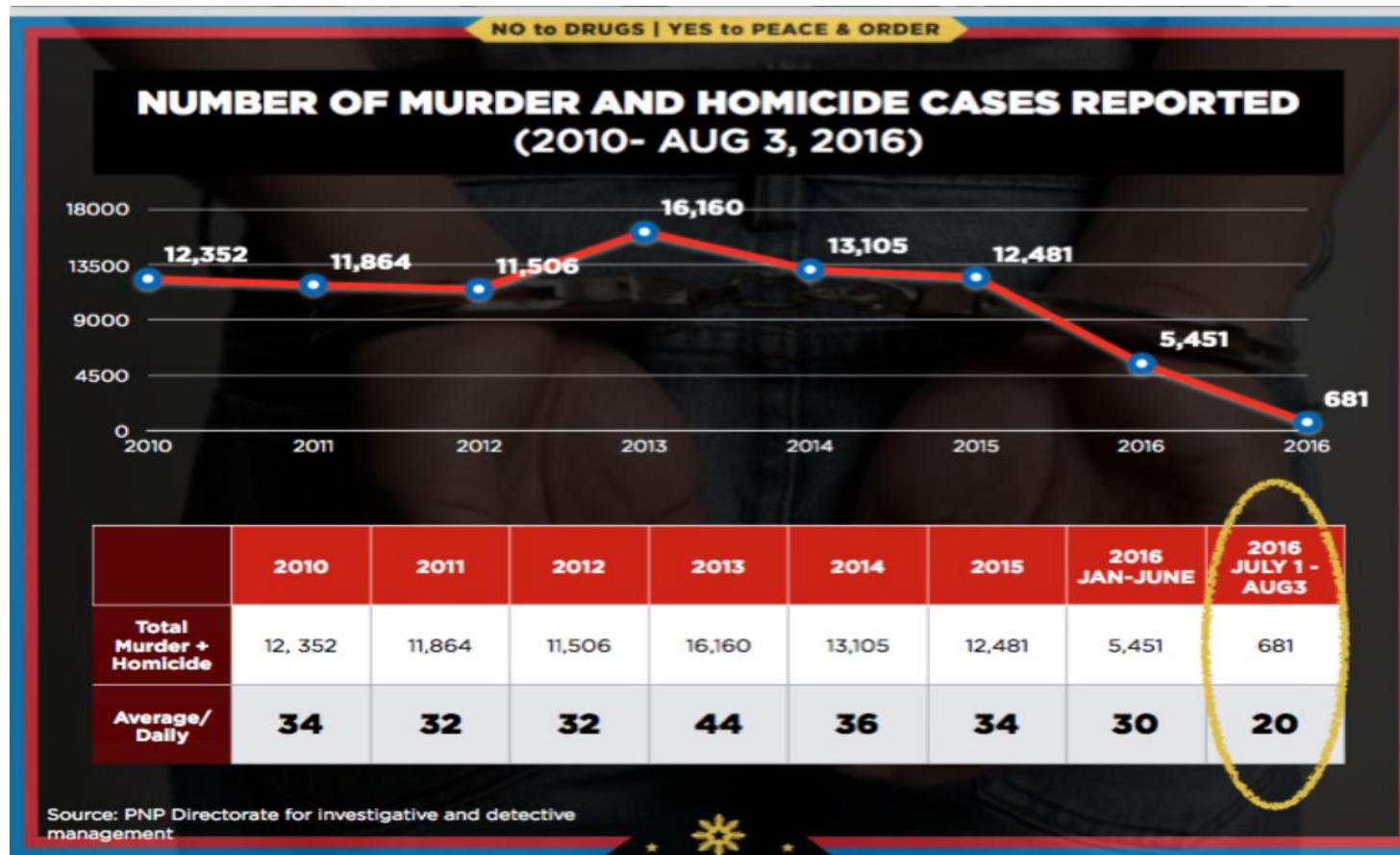
DATA VISUALIZATION

Data visualisation is a graphical representation of data and information.

Source: https://lms.latrobe.edu.au/pluginfile.php/5063920/mod_resource/content/4/Lecture%201-The%20Need%20for%20Visualisation%202019.pdf



EFFECTIVE VISUALIZATION



Criteria for effective visualisation:

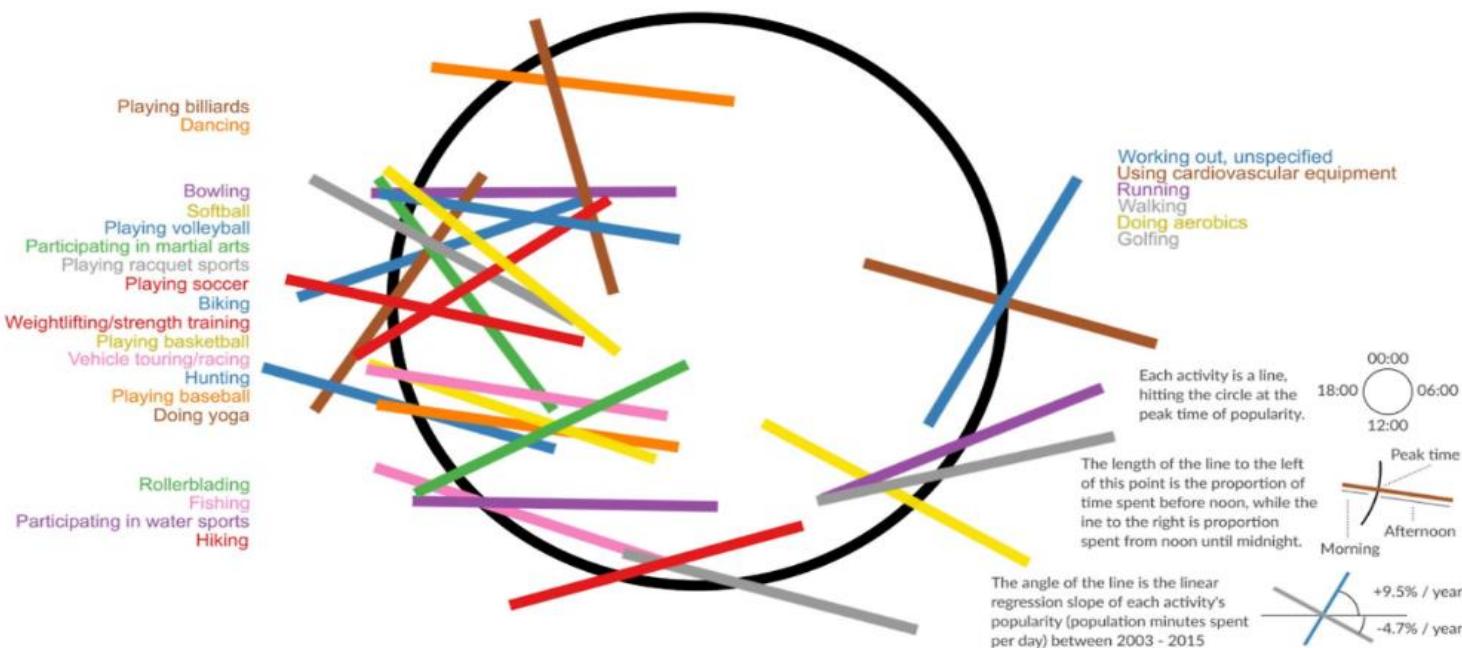
- Informative
- Efficient
- Novel
- Beautiful

Source: <https://viz.wtf/post/162403143973/groundhog-year>

INEFFECTIVE VISUALIZATION

Peak time for sports and leisure

@hnrlndbrg | Source: American Time Use Survey



Problems:

- A lot of information (not efficient) without a clear message
- Visualisation variables are poorly applied:
 - It is hard to compare slopes/angles of multiple sports
 - Colors are repeated (e.g. yellow)
- Annotations make the visualisation more confusing
- Context is not provided

#DepechemodePlot #4dimensional #Right?

Source: <https://twitter.com/hnrlndbrg/status/886181647003119616>

RECOMMENDATIONS

- We can use histograms to visualise the data here with:
 - X-axis representing the activities, and
 - Y-axis showing the time for each activity
- Use interactive features
- Use a different color palette



- Thank you

