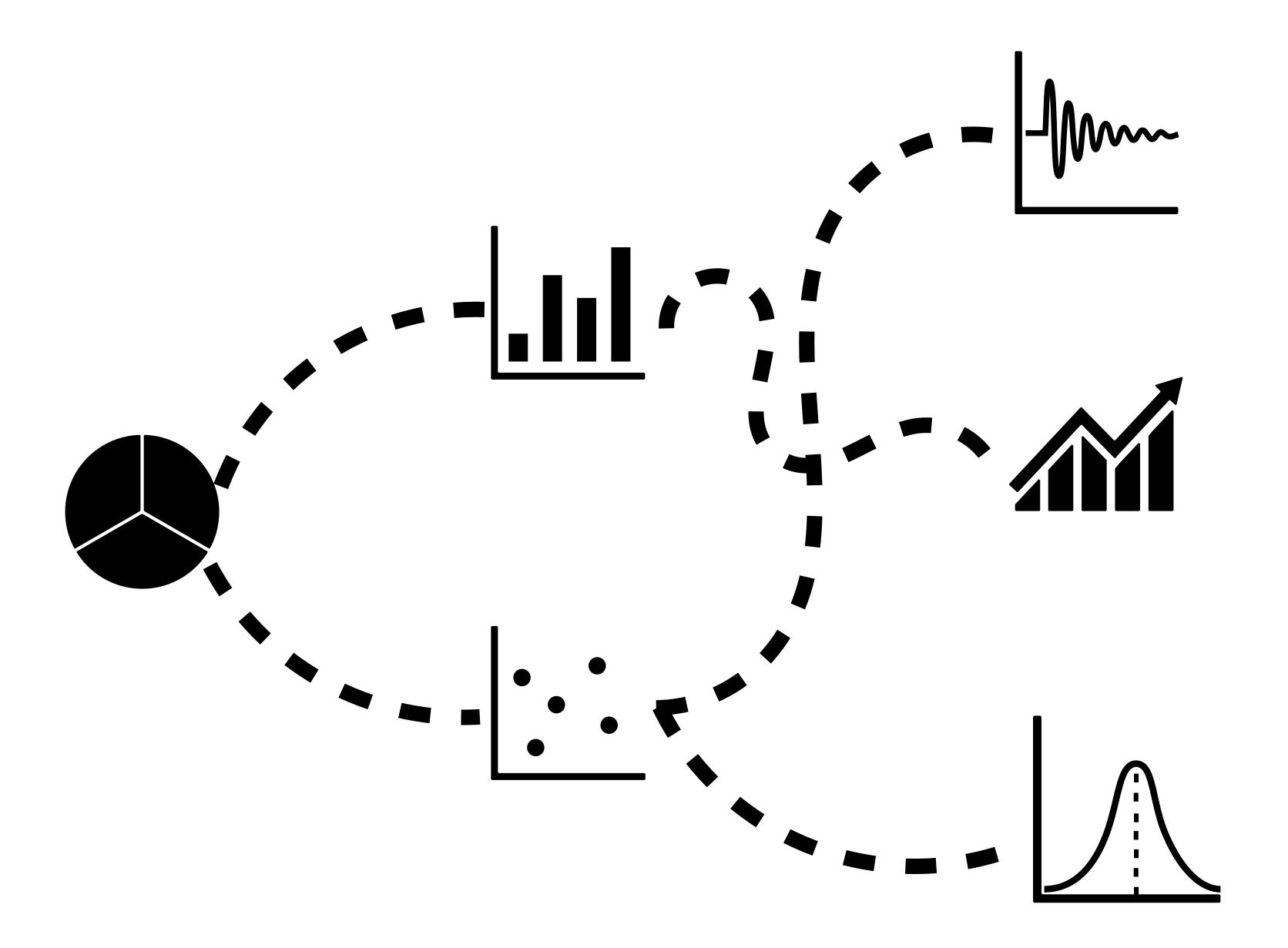


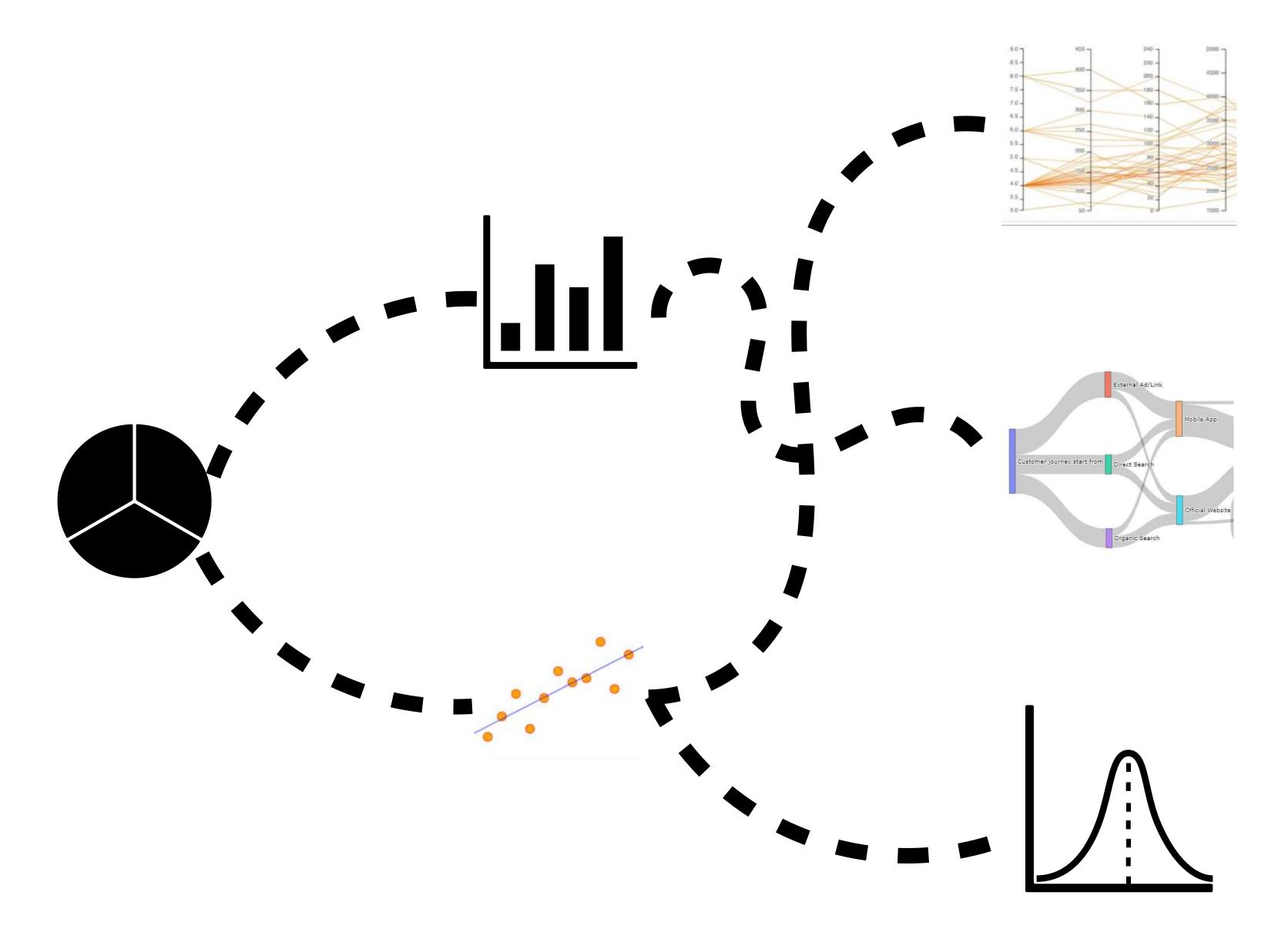




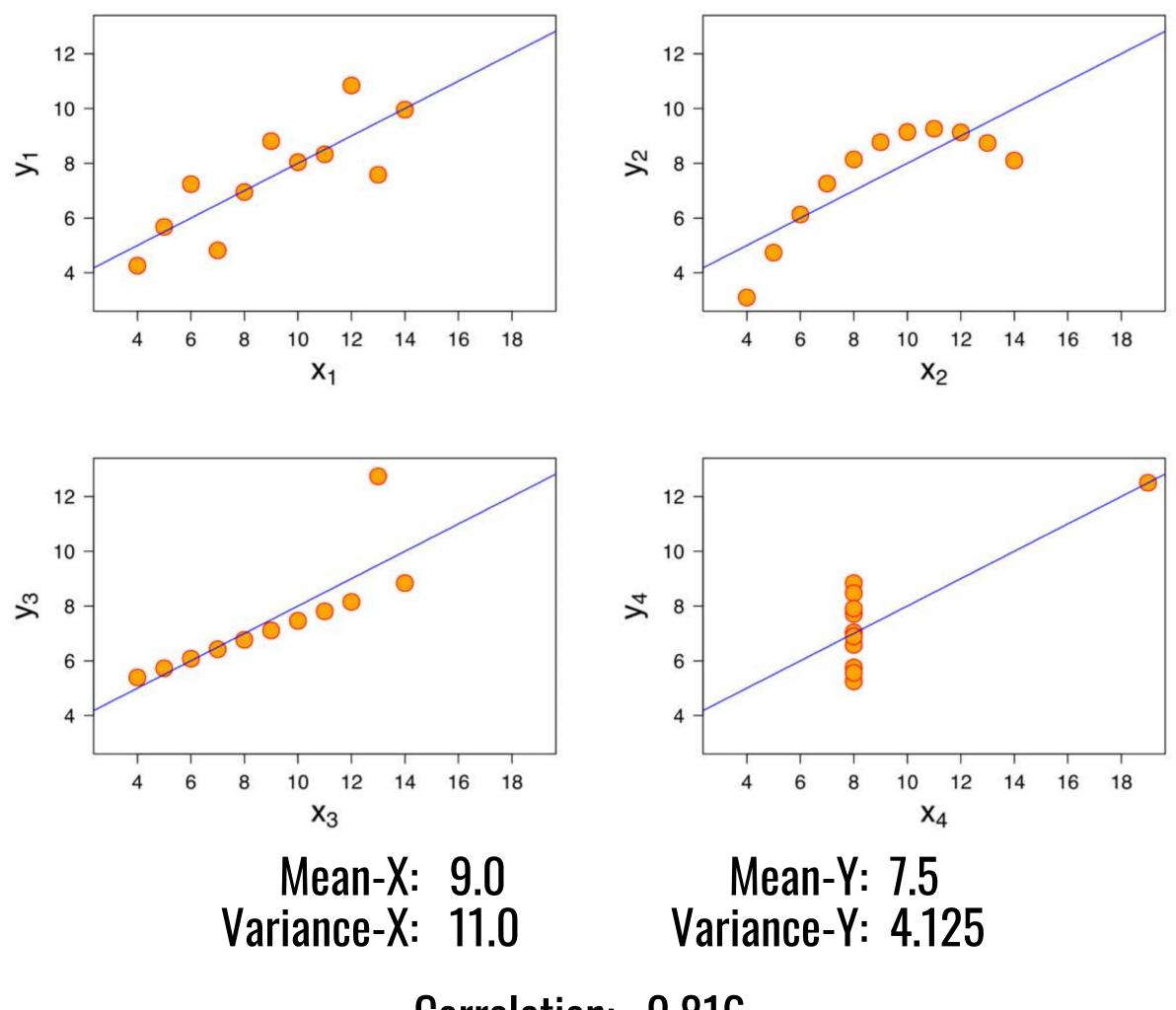
## Seeking Pearls, Avoiding Mirages: Charting a Course through Data Complexity using Interactive Visualization

Prof. Lane Harrison | Worcester Polytechnic Institute | Director, VIEW Lab



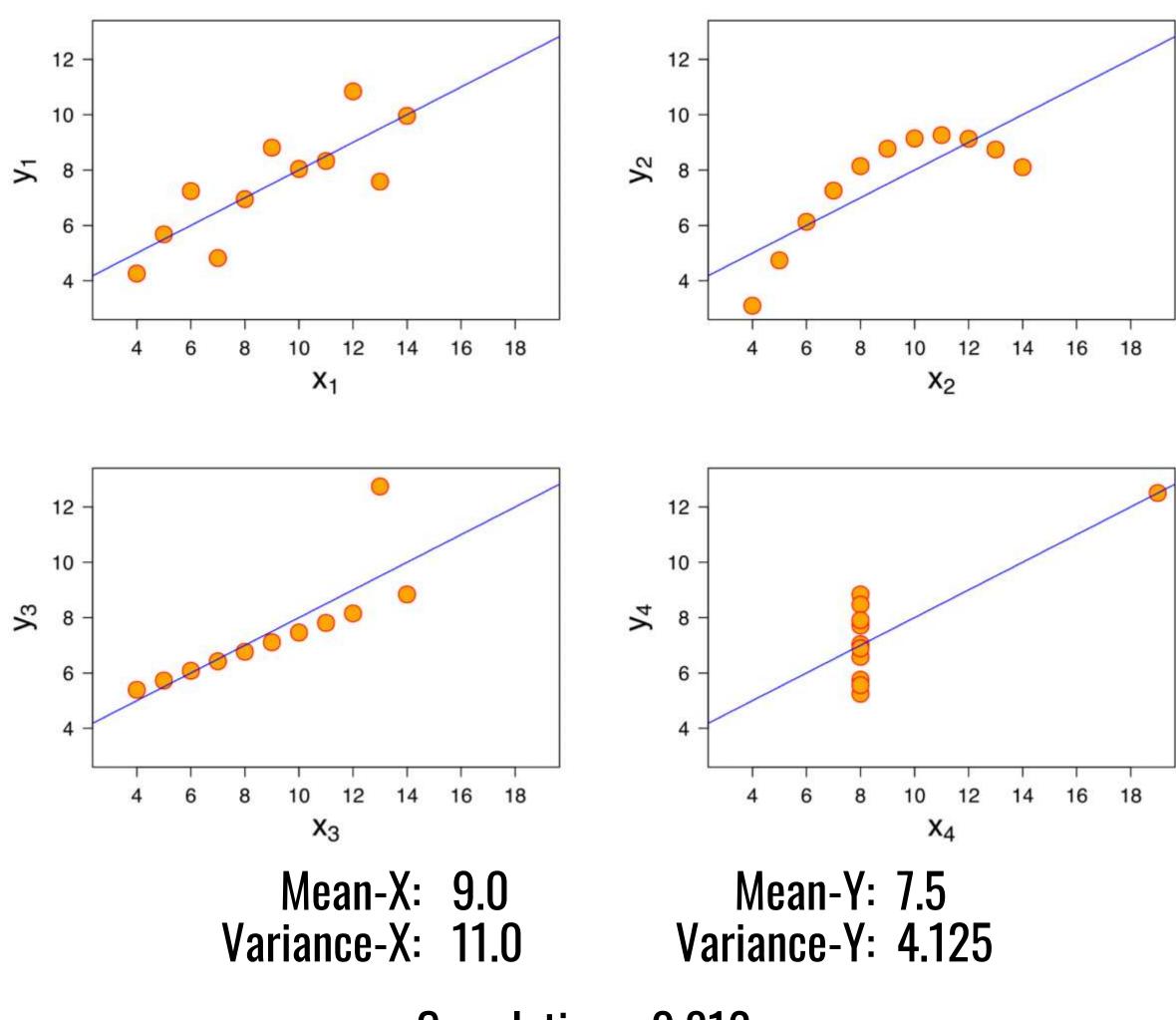


## Visualization helps reveal hidden patterns in your data:

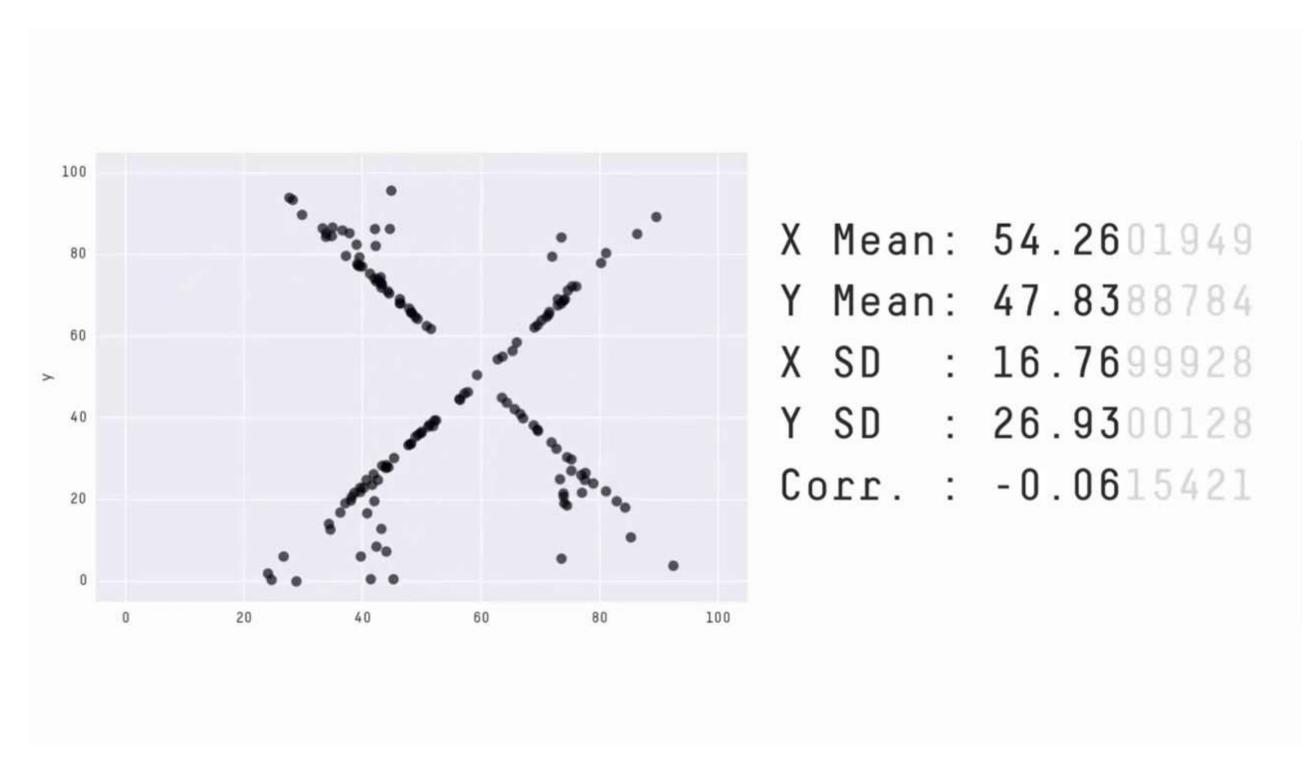


Correlation: 0.816

## Visualization helps reveal hidden patterns in your data:



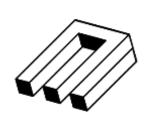
Correlation: 0.816



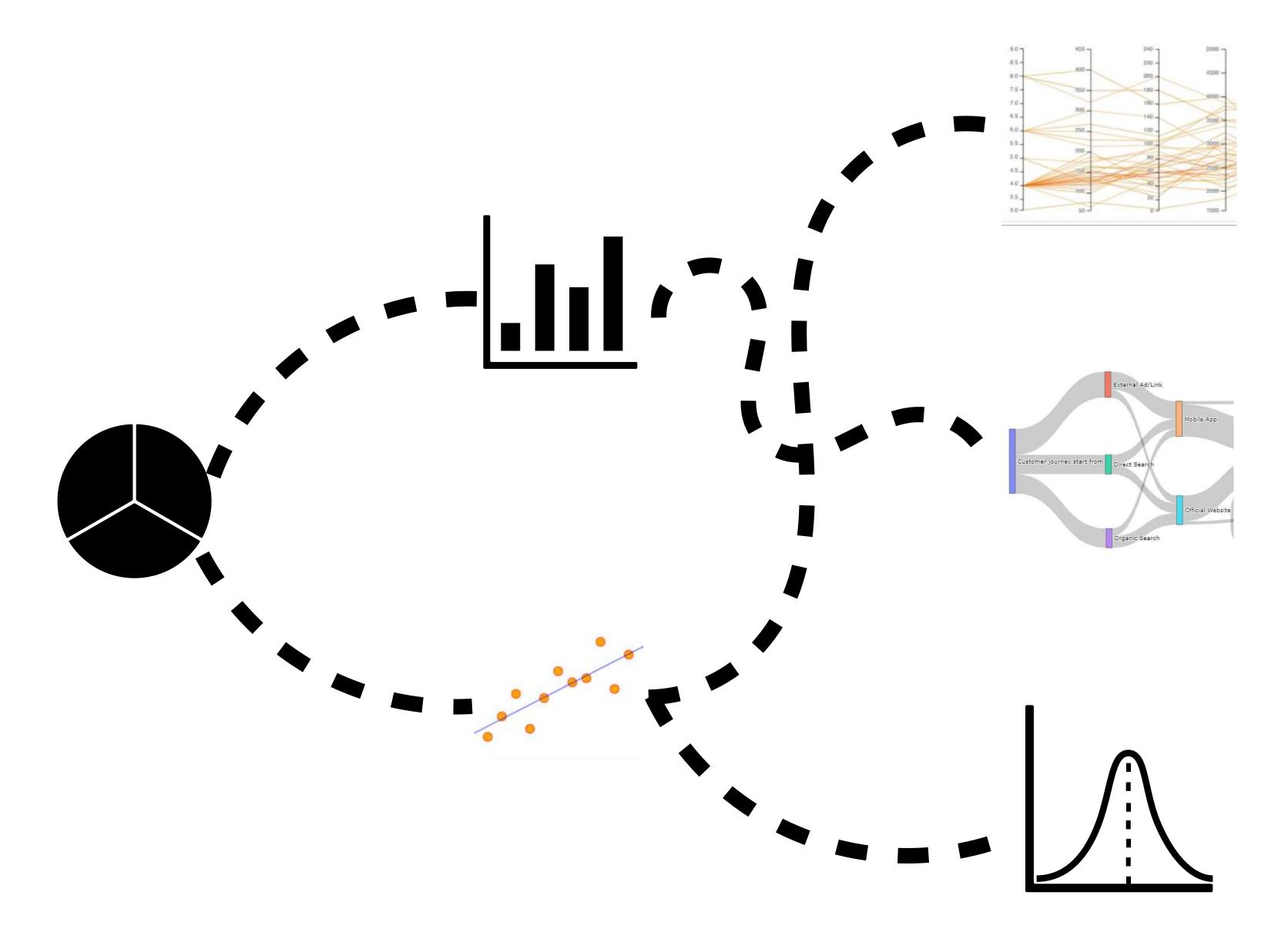
#### To get to this stage:

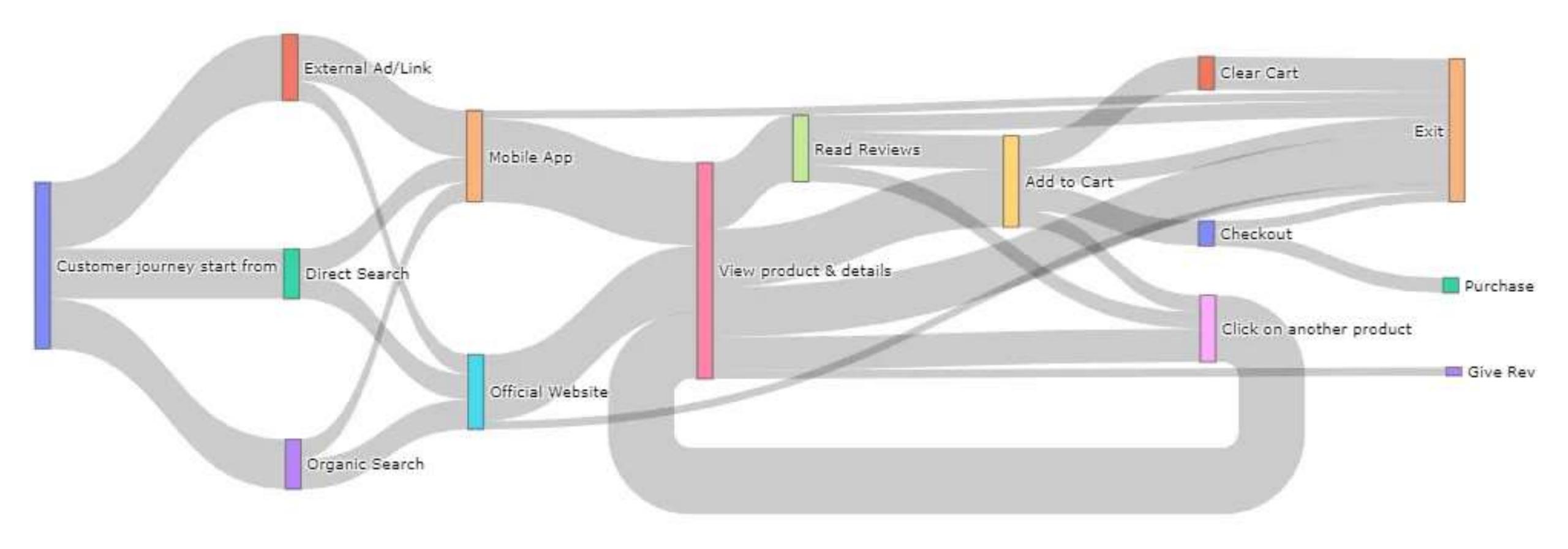


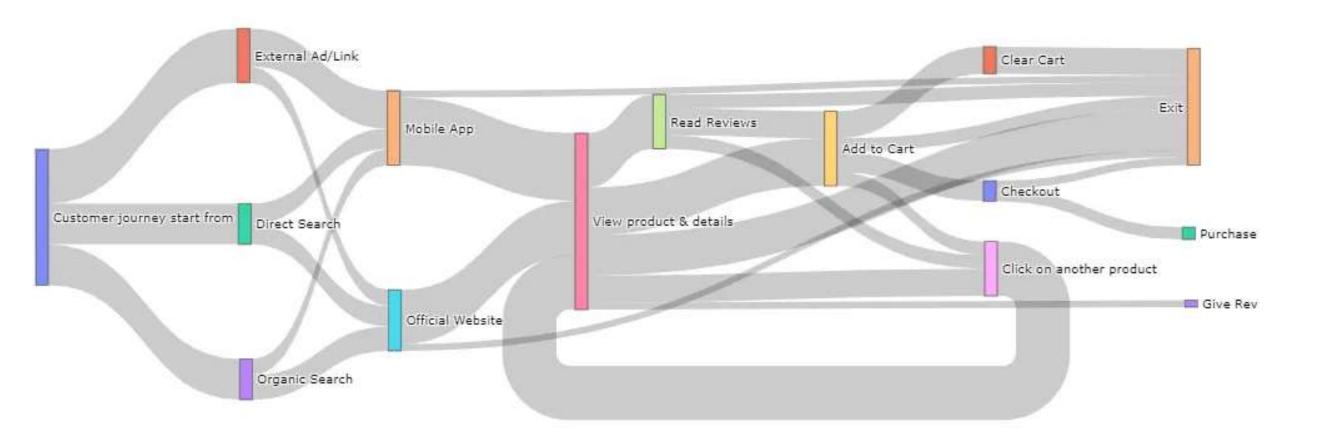
Make plotting a habit; make it enjoyable!



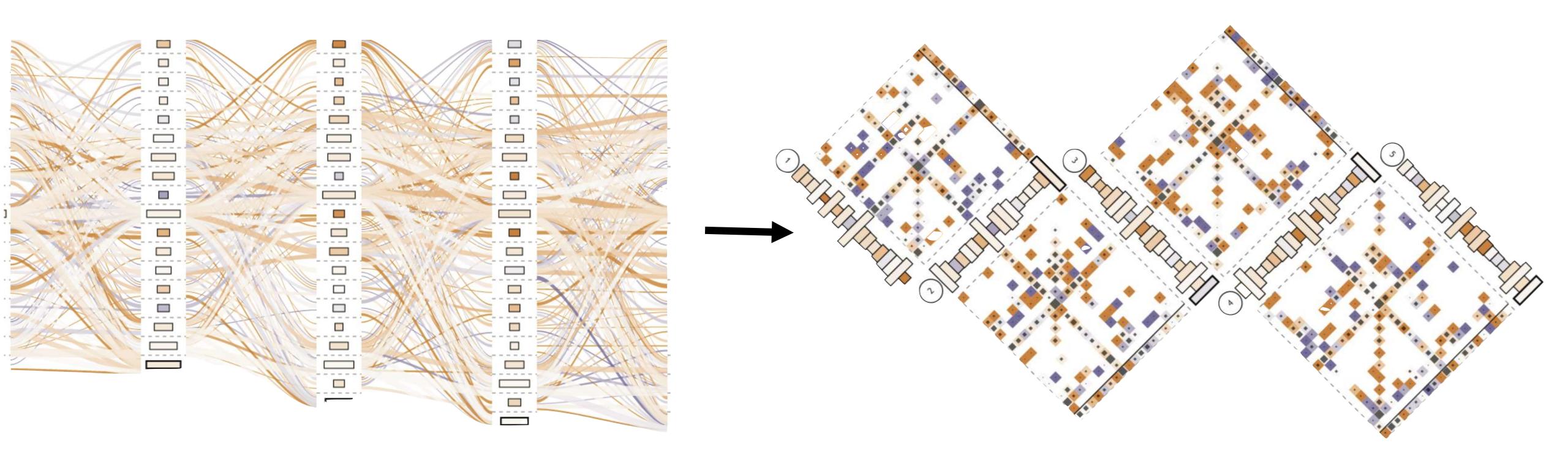
Beware of limited tools/libraries on the market

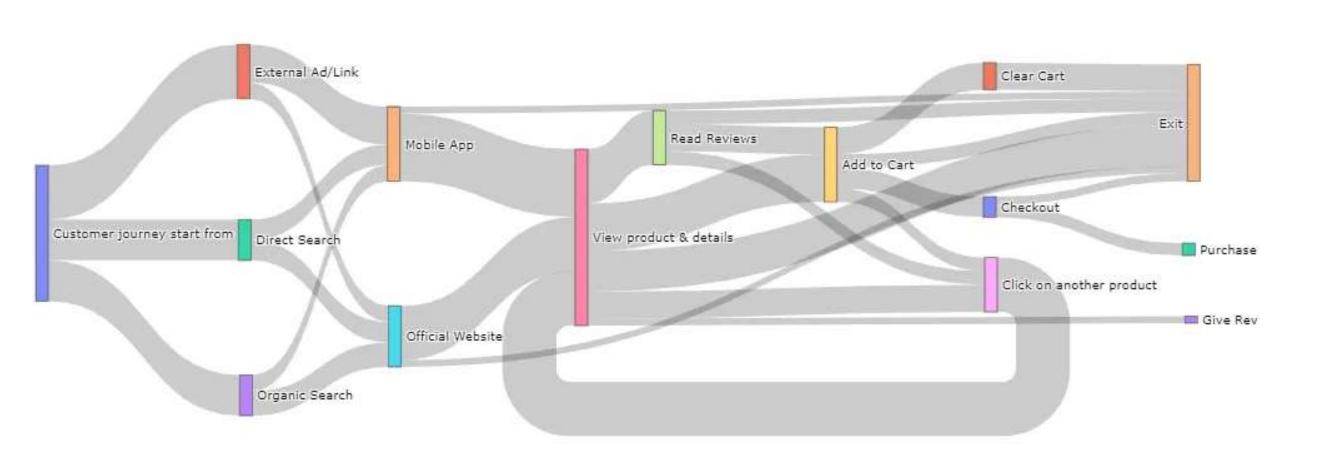




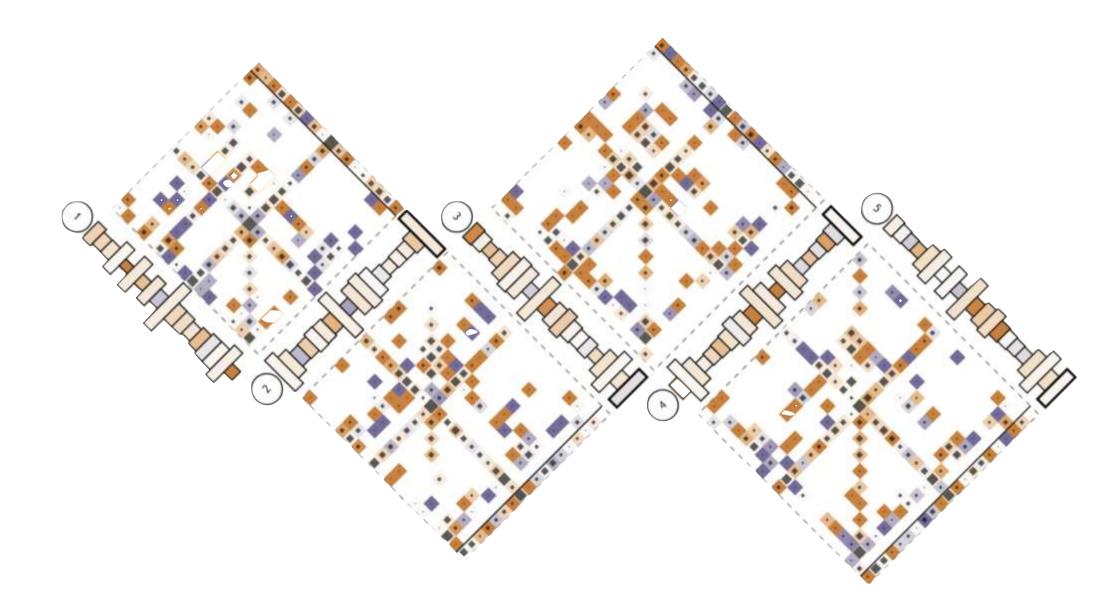


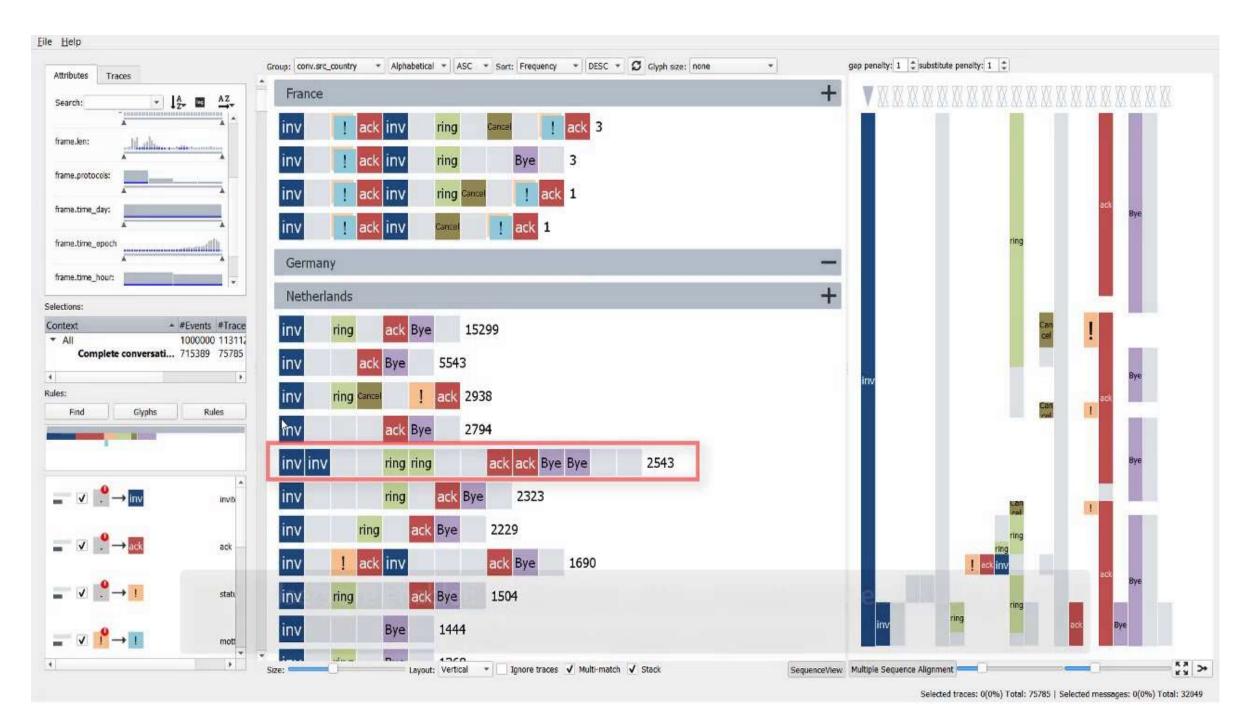
Sankeys are wonderful, but they struggle to scale.

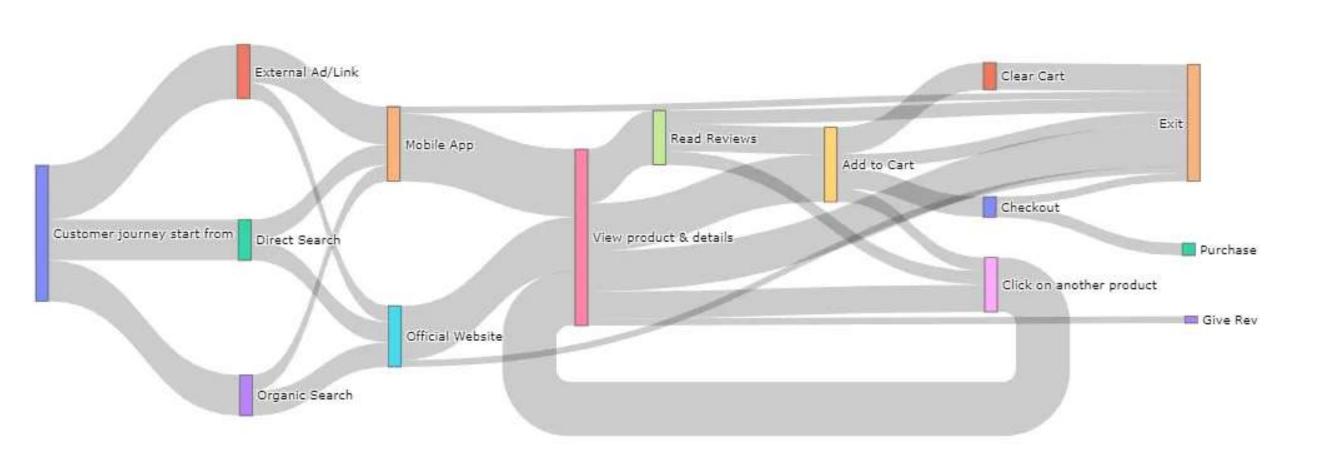




Sankeys are wonderful, but they struggle to scale.

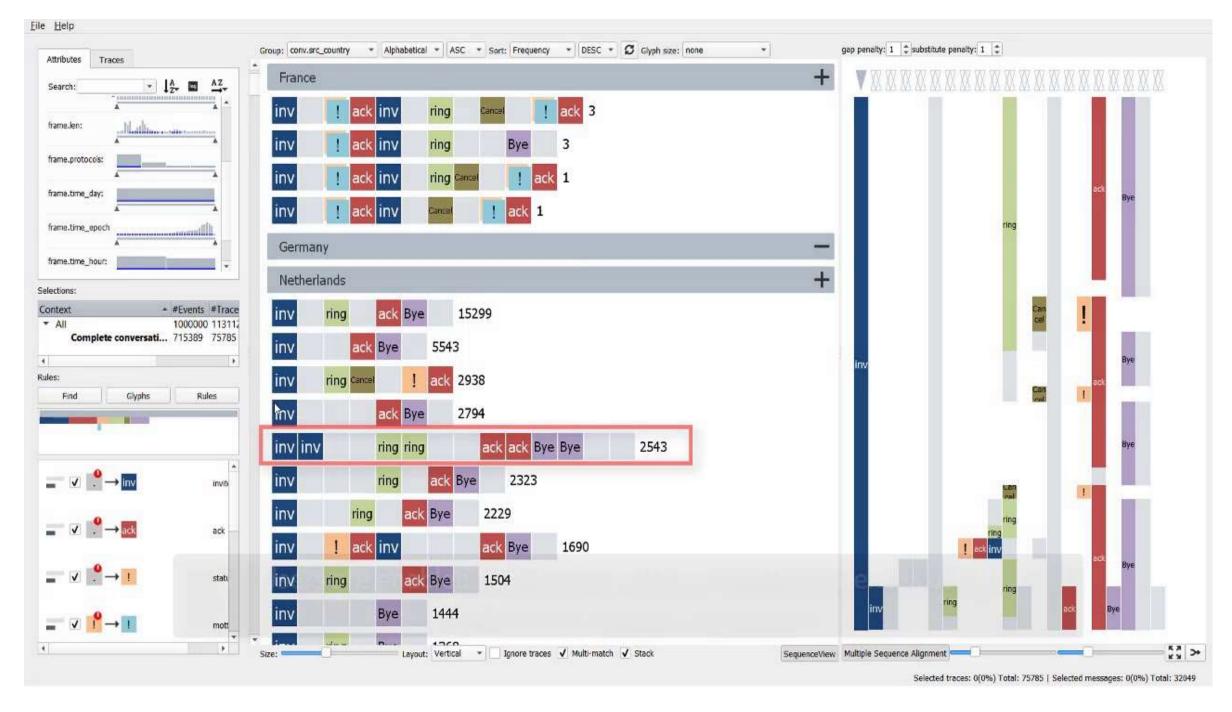






Sankeys are wonderful, but they struggle to scale.

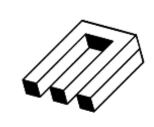




### To get to this stage:



Special projects (R&D), licensing, collaboration

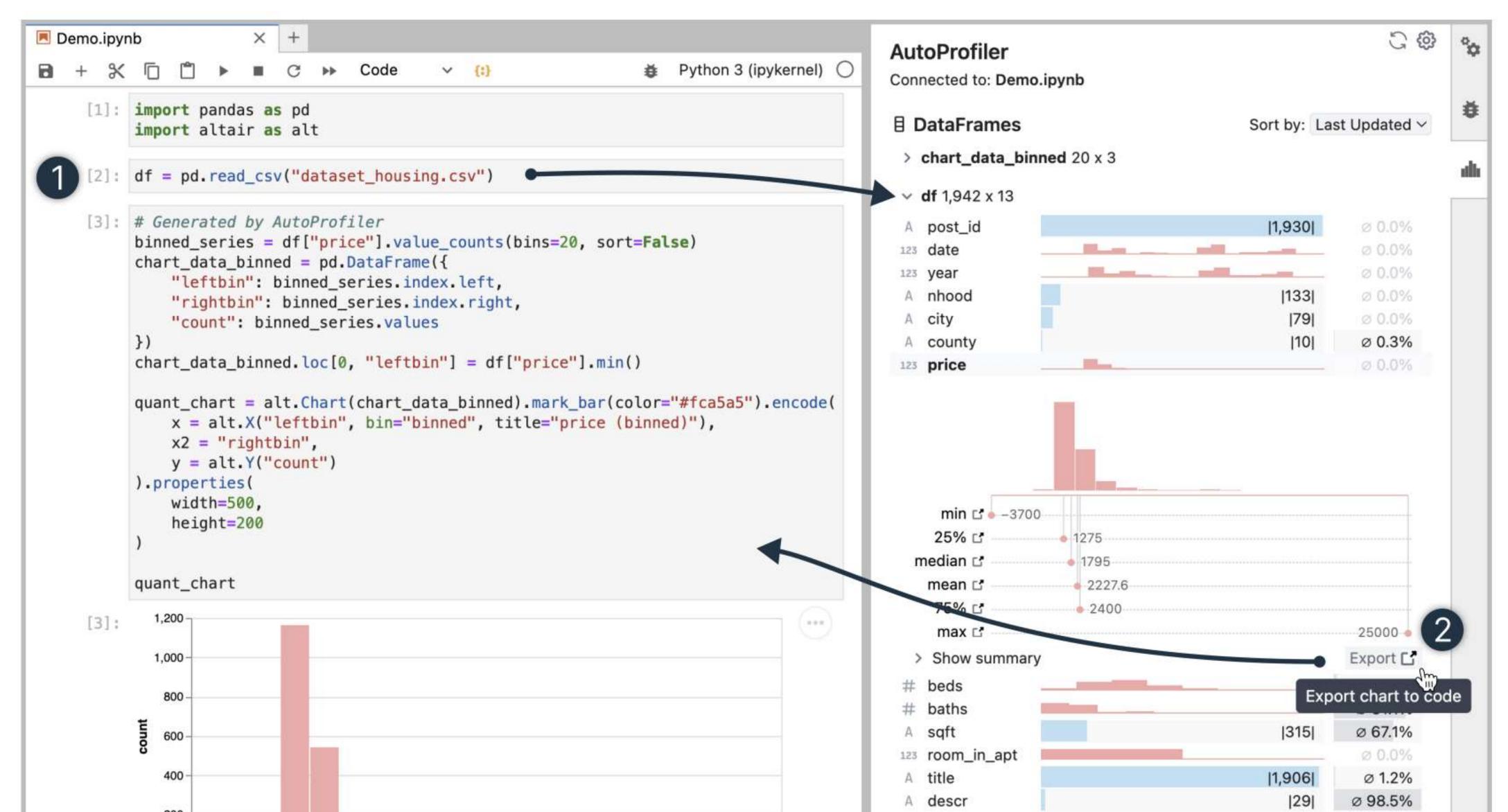


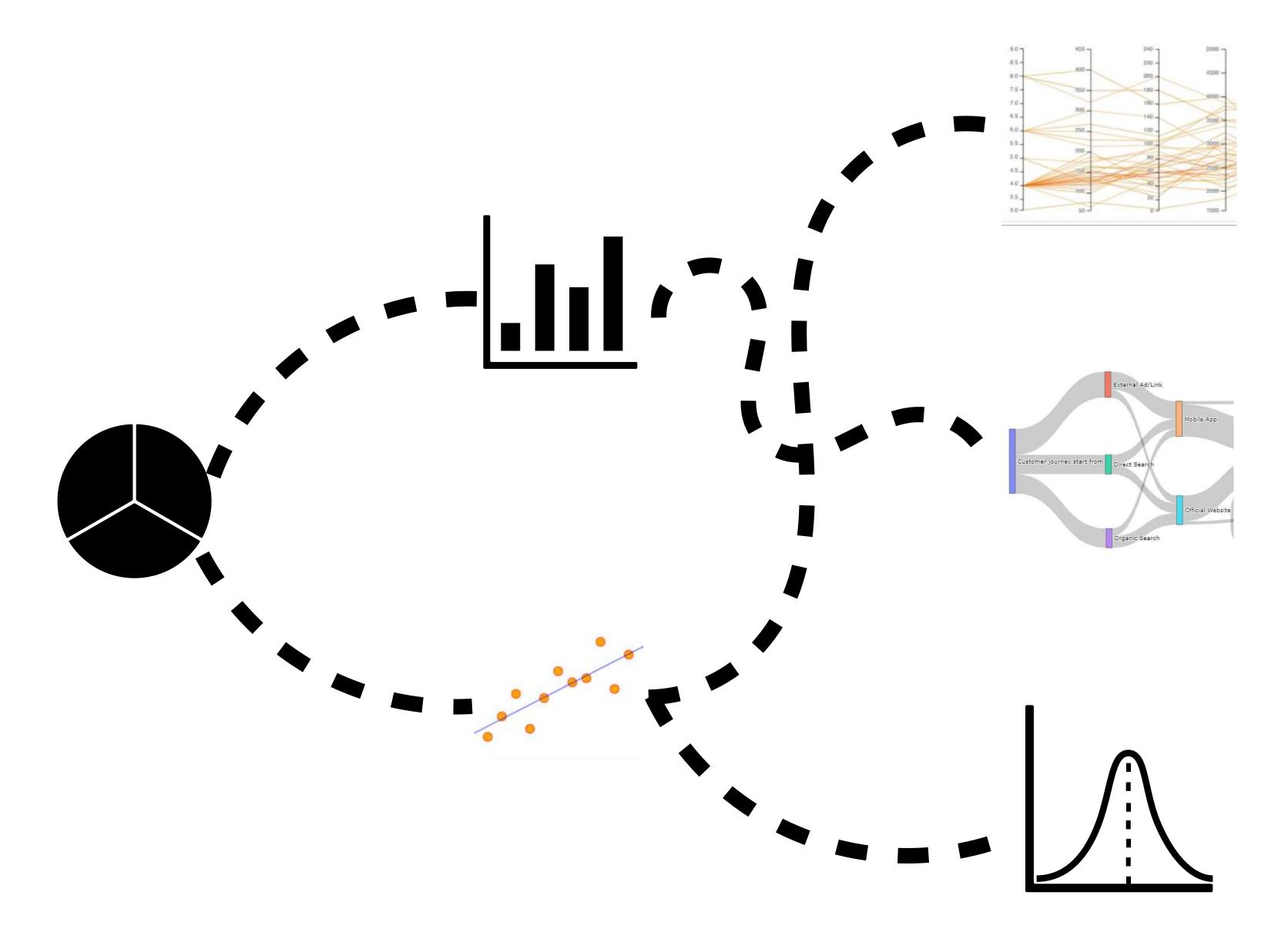
Make sure it fits your needs!

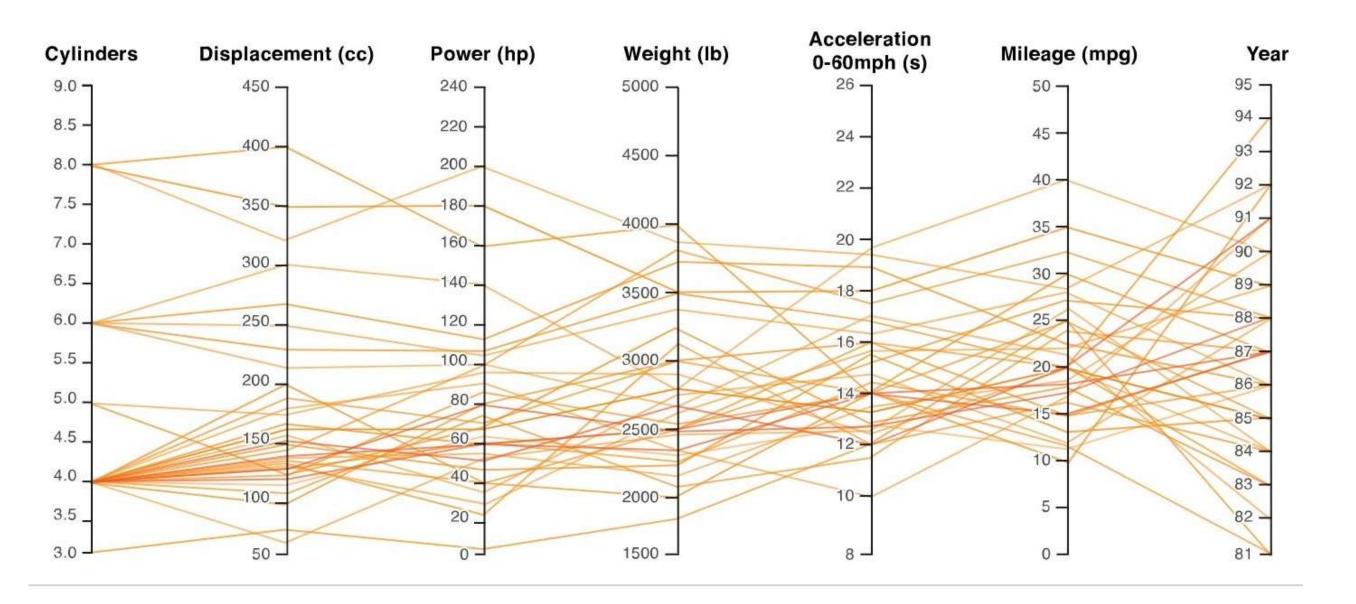
## Dead or Alive: Continuous Data Profiling for Interactive Data Science

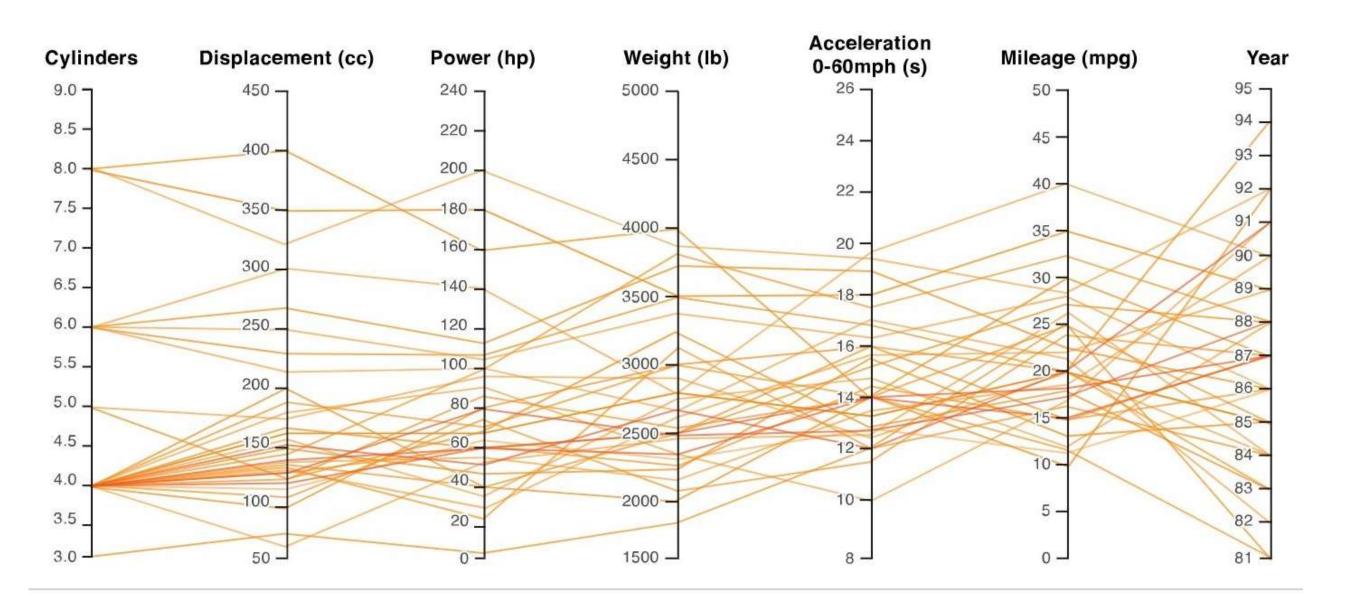


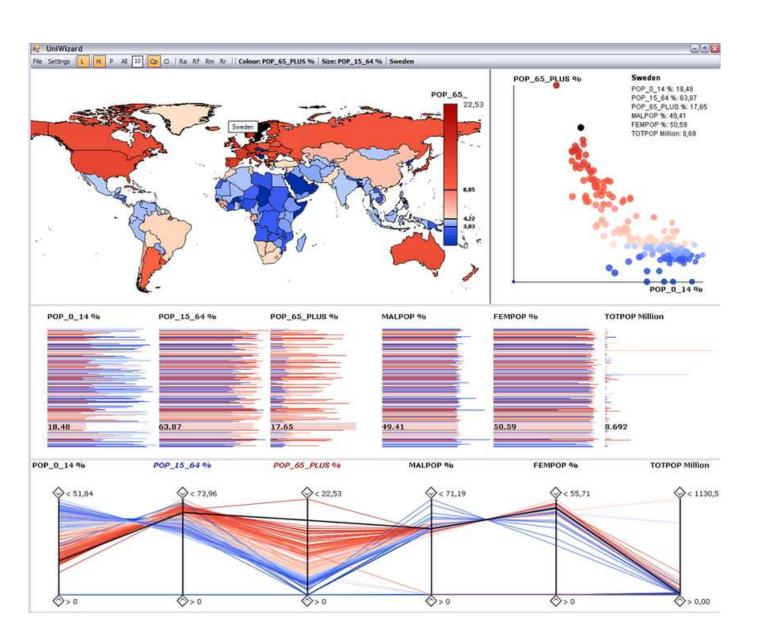
Will Epperson 📵, Vaishnavi Gorantla 📵, Dominik Moritz 📵, Adam Perer 📵

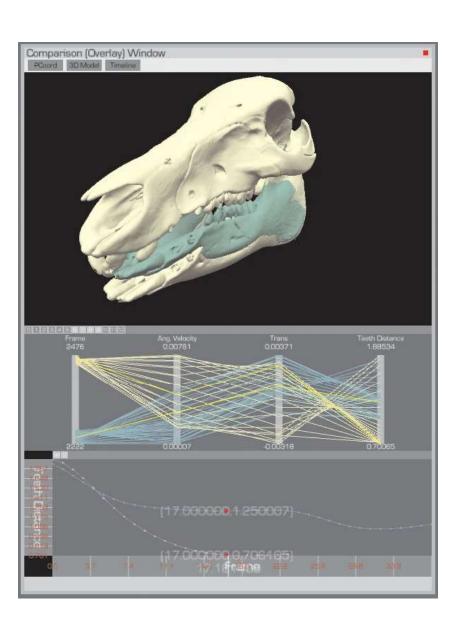


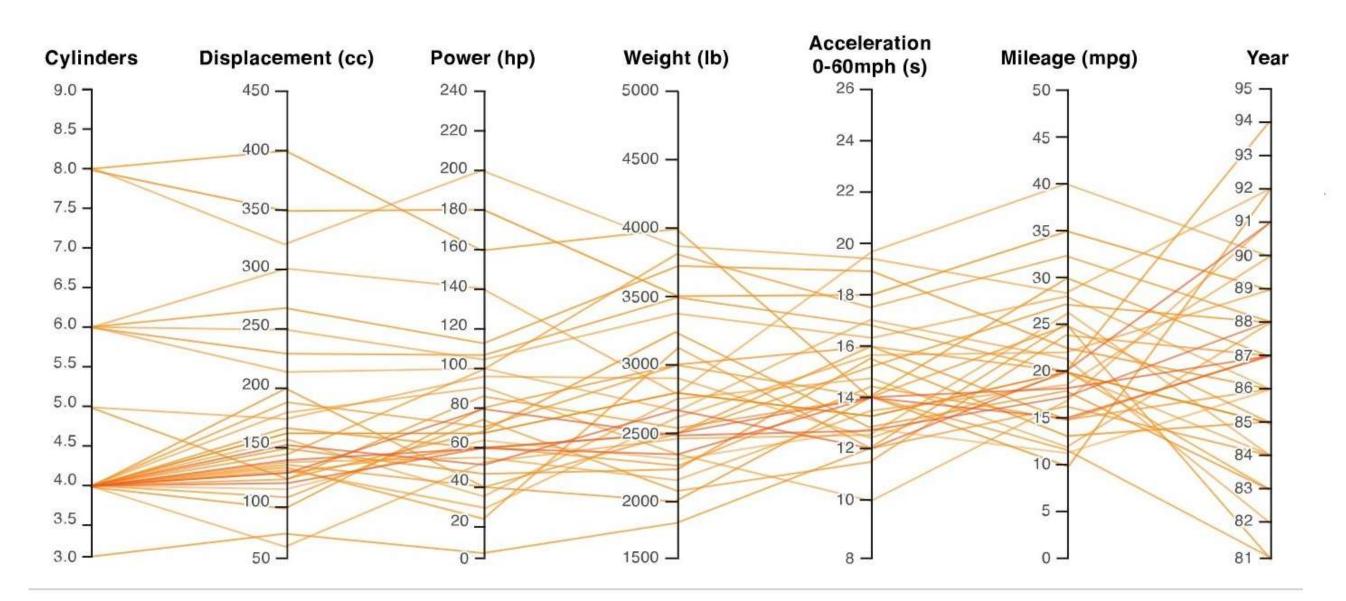


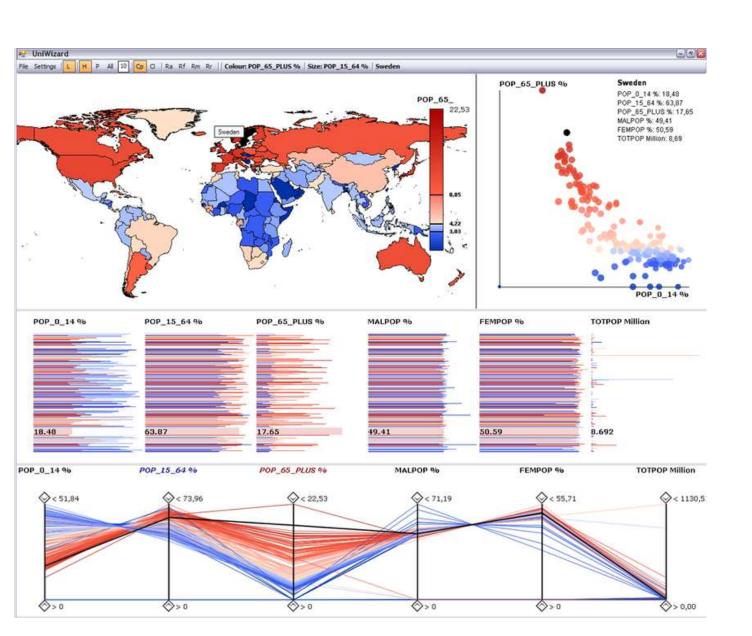


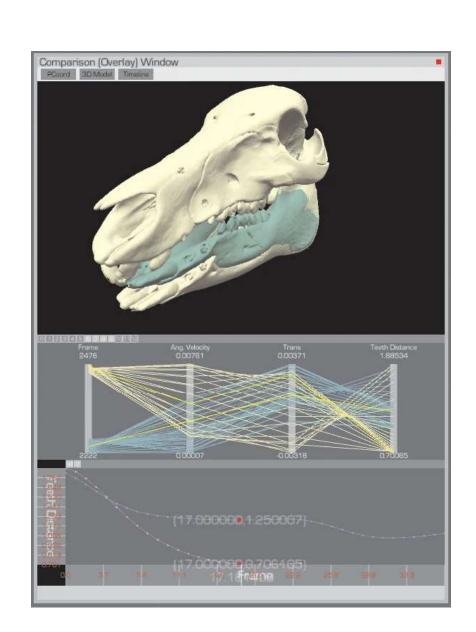














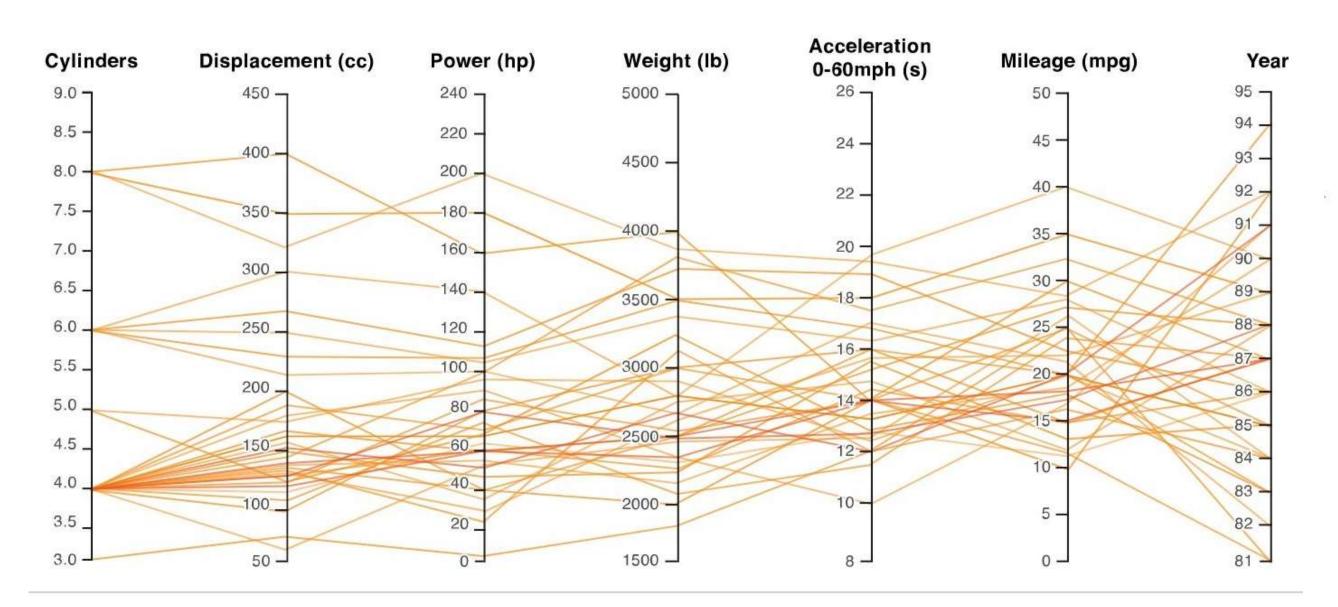
#### **VIS FULL PAPER**

HONORABLE MENTION

ManiVault: A Flexible and Extensible Visual Analytics Framework for High-Dimensional Data

Alexander Vieth, Thomas Kroes, Julian Thijssen, Baldur van Lew, Jeroen Eggermont, Soumyadeep Basu, Elmar Eisemann, Anna Vilanova, Thomas Höllt, Boudewijn Lelieveldt

High Dimensional Data 09:00-10:15, Wednesday (Oct 25)





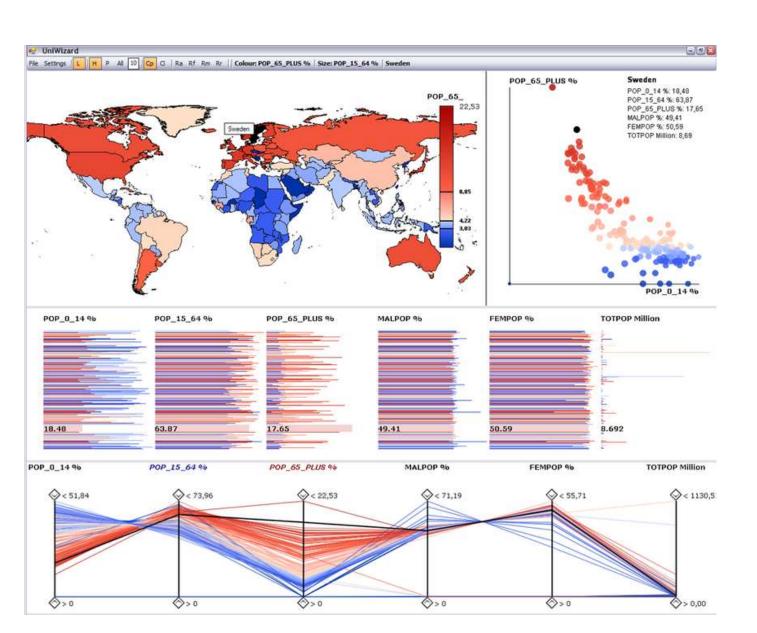
#### **VIS FULL PAPER**

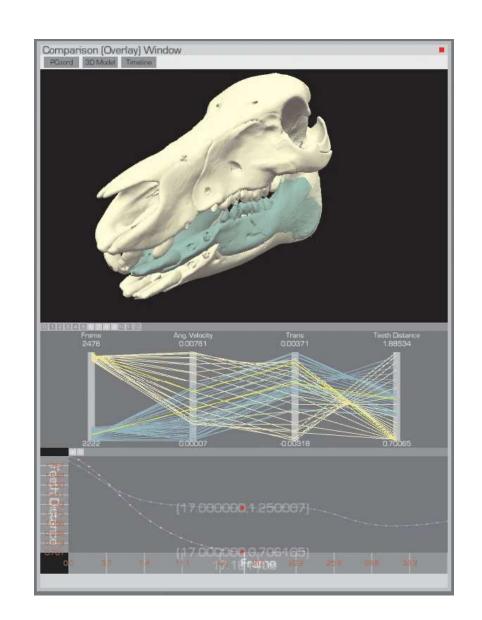
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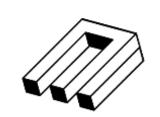




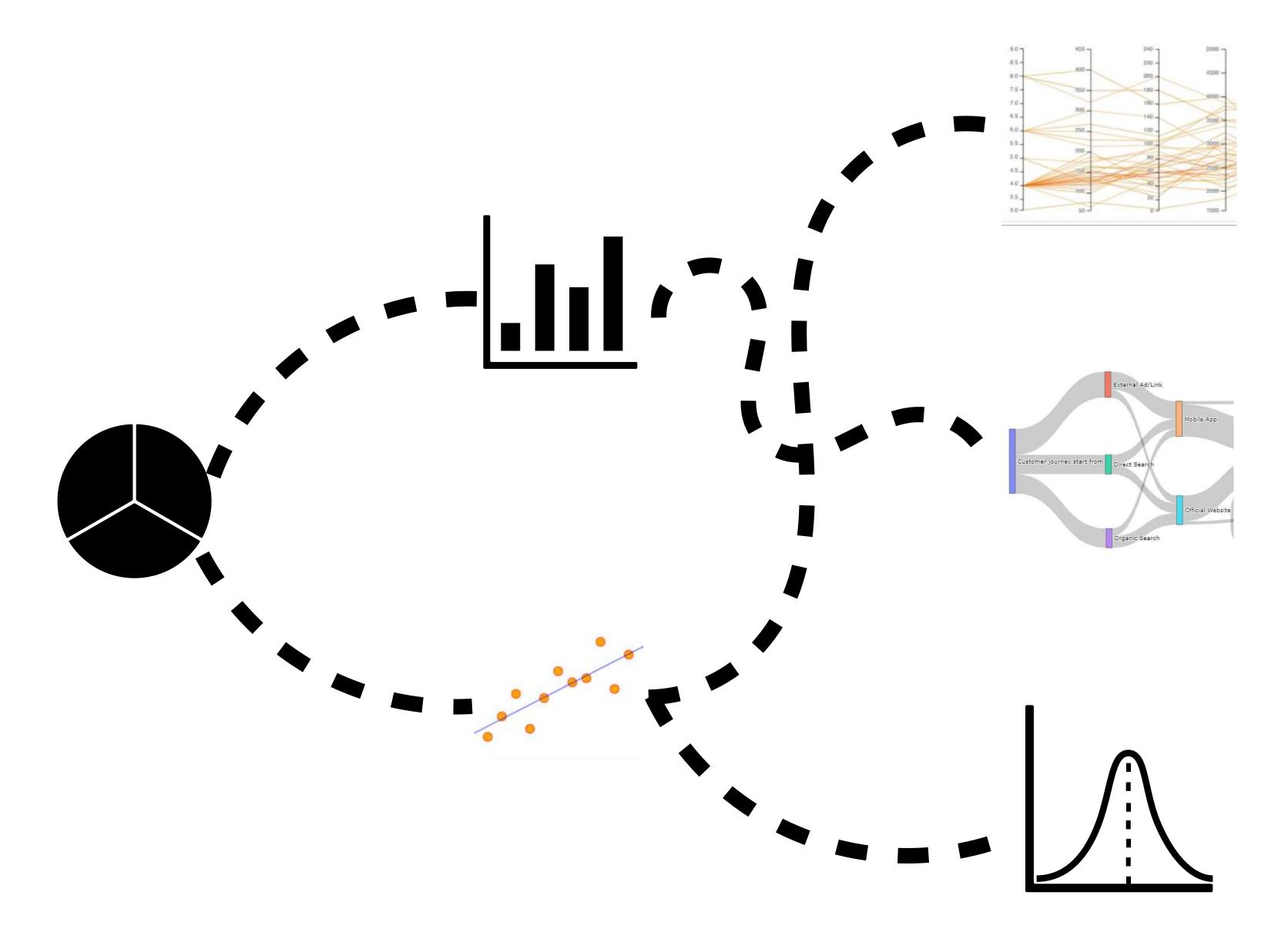
### To get to this stage:



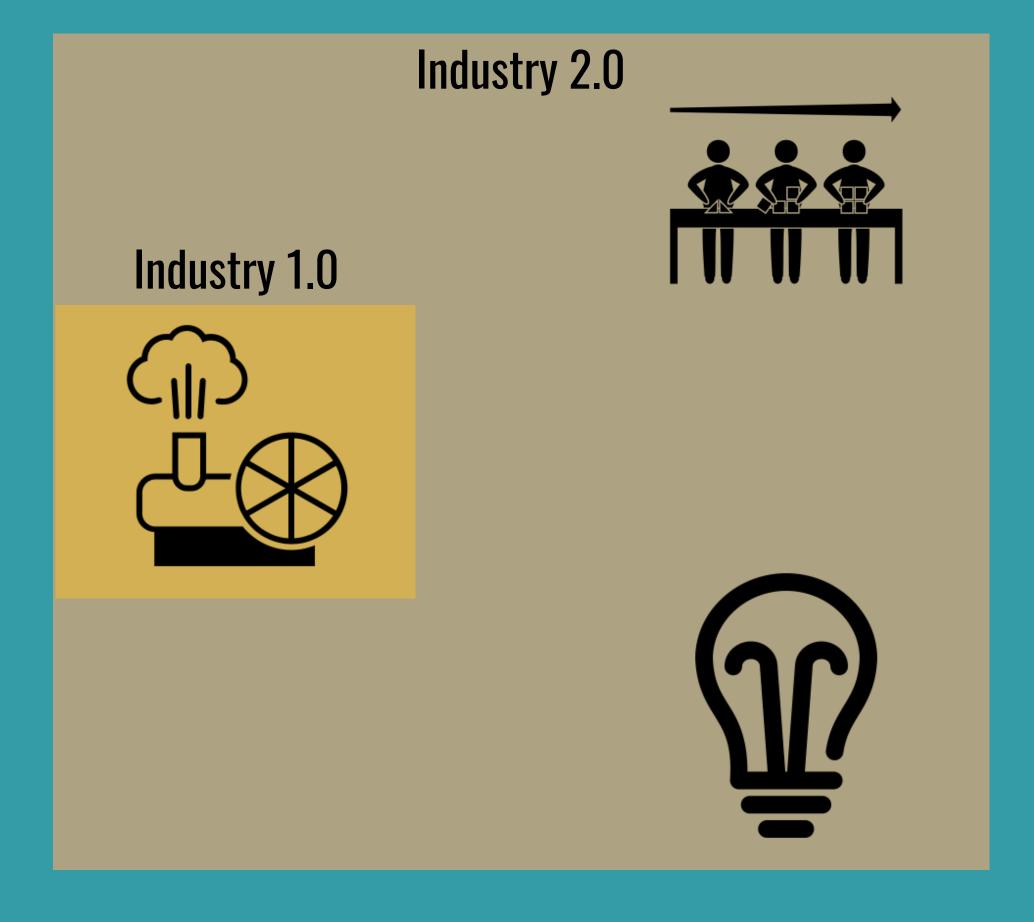
OTS toolkits (Python, Observable), special projects



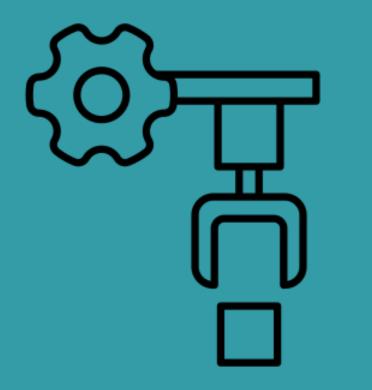
Scale (long data) and dimensionality (wide) may be difficult to handle together.

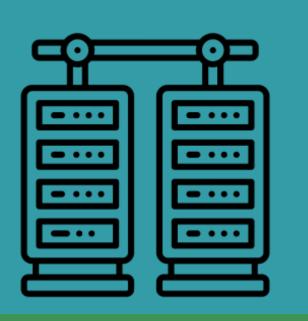


## **Industry 3.0**



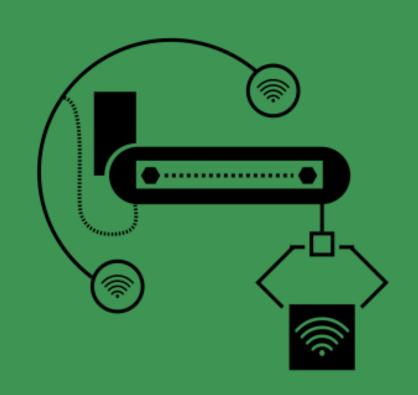




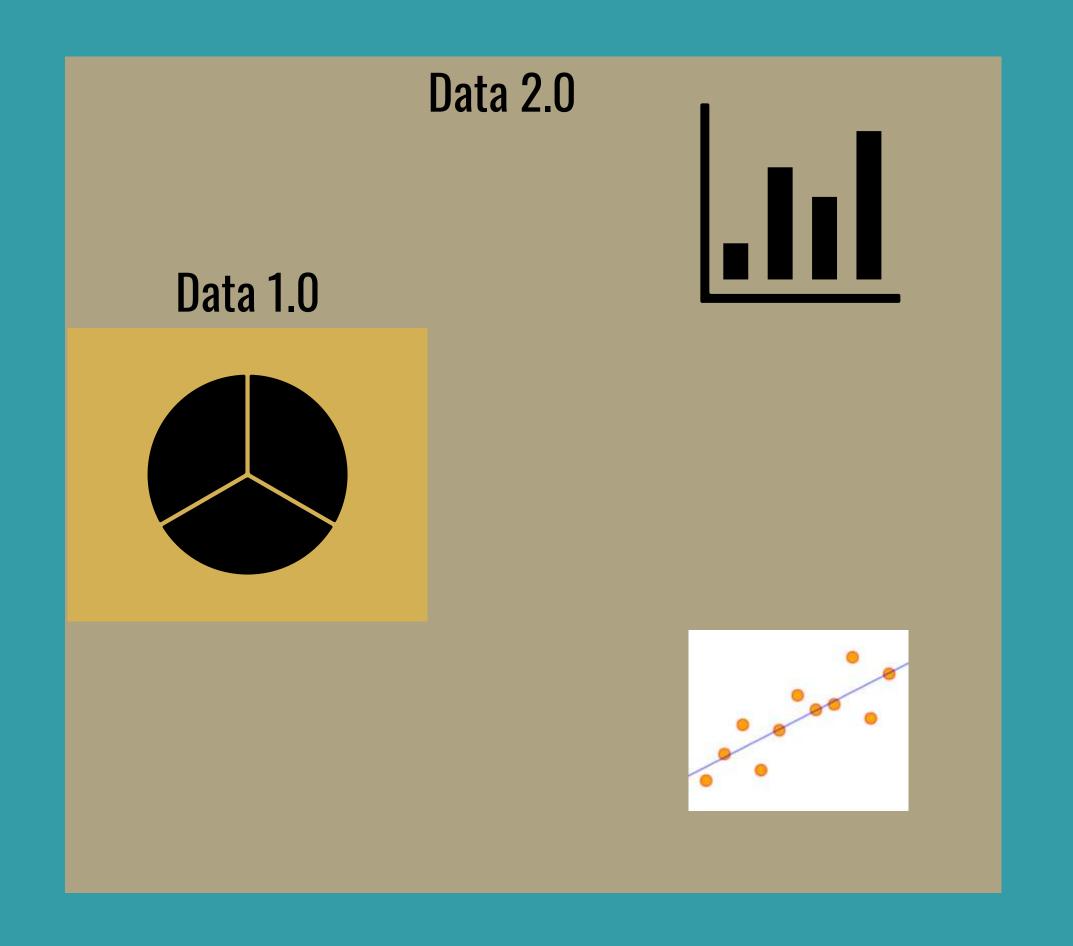


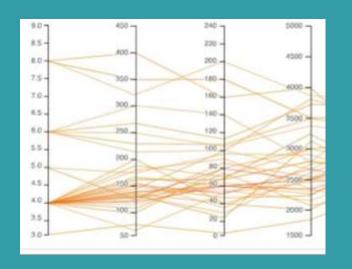


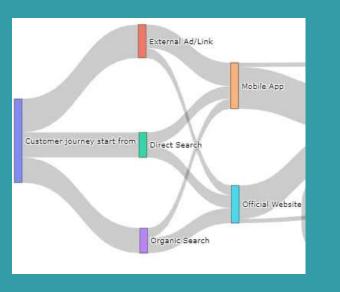


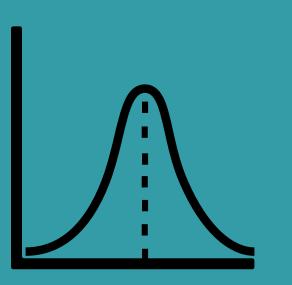


Data 3.0





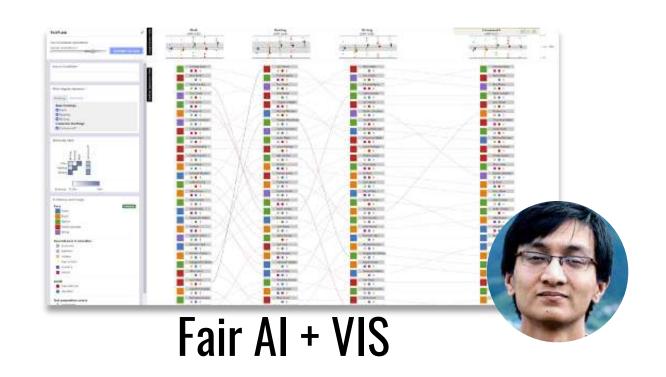


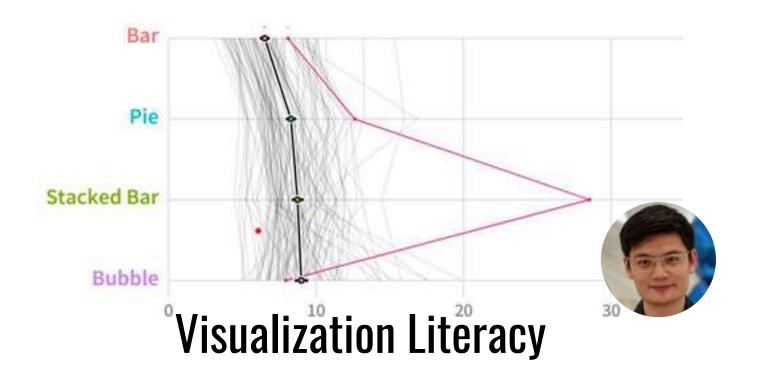


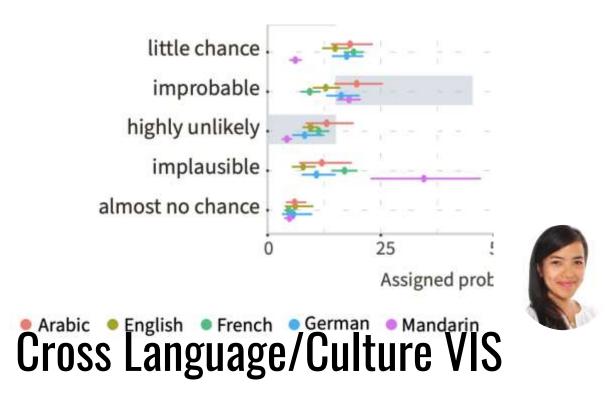








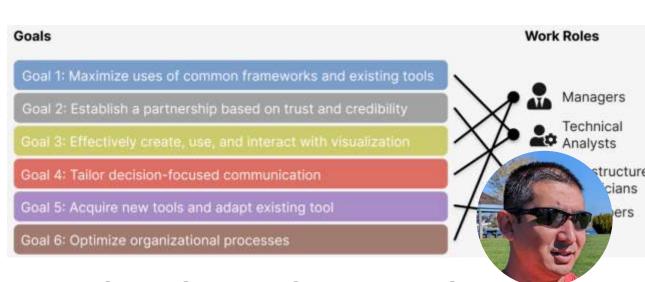






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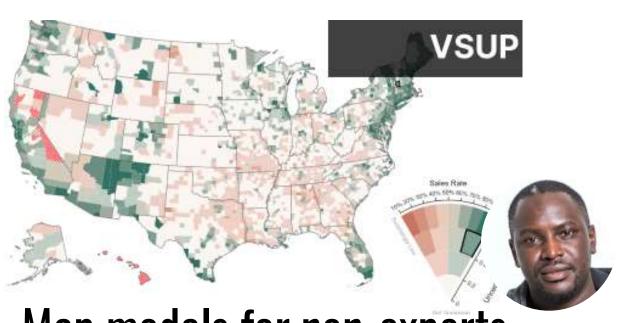
Prof. Lane Harrison | Worcester Polytechnic Institute | Director, VIEW Lab



VIS in Cyber Security Orgs



**Immersive VIS** 



Map models for non-experts