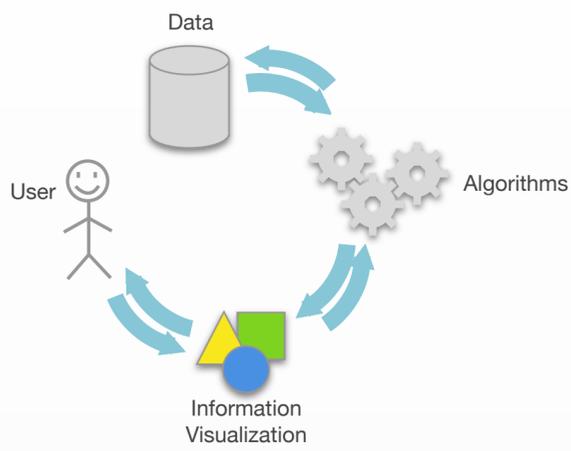


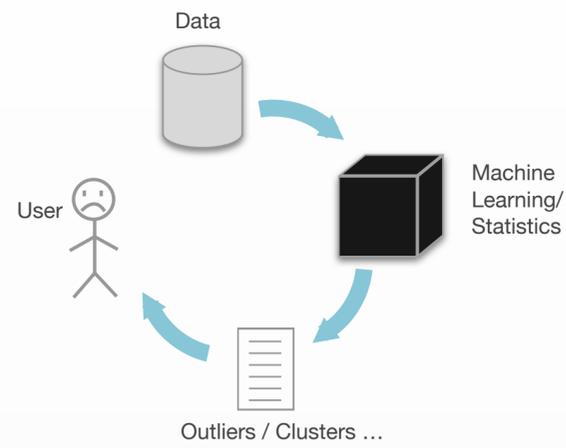
I do **Visual Analytics**, i.e., I include the **user** in the **data analysis** loop.

Visual Analytics



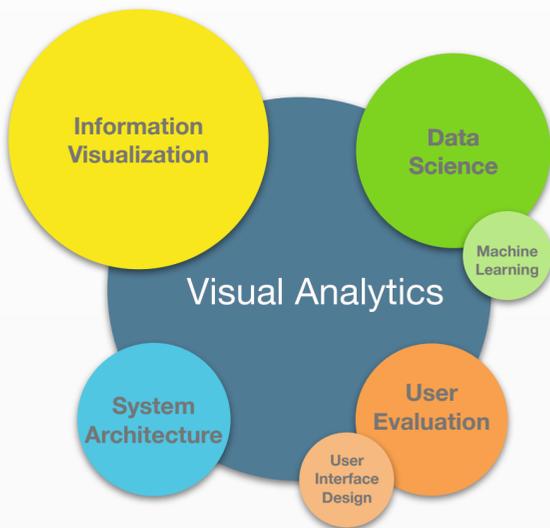
I create **visual analytics** systems that leverage interactive **information visualizations** and powerful algorithms to enable users to explore their own data to find actionable **insights**.

Traditional data science

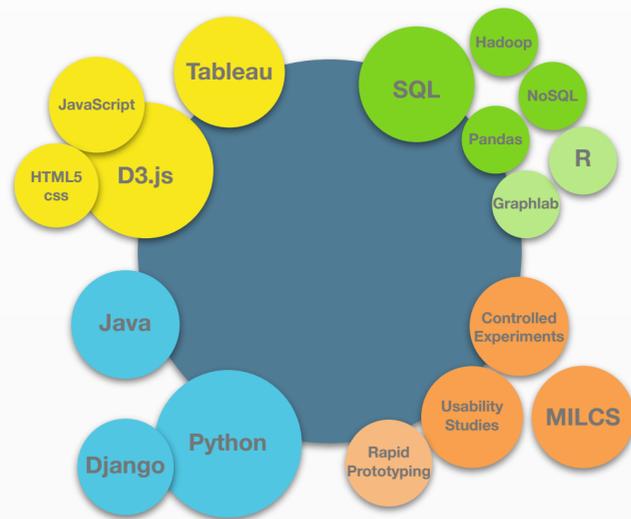


Traditional data science excludes users from the exploration process, applying algorithms that look like black boxes to them, and forcing users to make sense of the results afterwards.

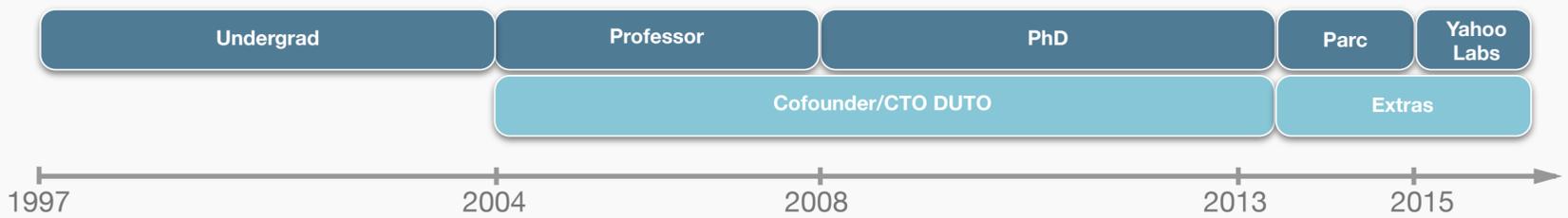
My Skills



What I use



Experience and Education



Highlights

- Yahoo Labs**
 - Exploring information visualization interfaces for navigating big repositories of photos.
 - Helped redesigned Flickr stats.
 - Created visual analytics for dozens of complex Yahoo datasets.
- Parc**
 - Created a visual network analytics tool to explore hundreds of thousands of nodes.
 - Constructed several dashboards using Tableau.
 - Developed and integrated several other time-based and text based visualizations in 3 different products.
- Extras**
 - Co-creator of tweetometro.co a platform to monitor Twitter activity for the Colombian presidential election.
 - Creator of WholikesMyFB.com a Facebook app to explore who likes your post the most.
- PhD**
 - PhD** and **MSc** in Computer Science under the supervision of Dr. Ben Shneiderman and Dr. Catherine Plaisant.
 - Created the **StemView** a visualization technique that represents 5 characteristics of change in trees.
 - Created the **Bullet** a visualization glyph that represents 4 characteristics of change in trees.
 - Implemented **TreeVersity2** a visual analytics web application to explore change in datasets over time.
 - Implemented **TreeVersity** a visual analytics desktop application to compare changes between two trees.
 - Conducted **13 case studies** with 9 domain experts to validate TreeVersity and TreeVersity2.
- Professor**
 - Winner of the **Fulbright Science and Technology** scholarship (40 people awarded in the world yearly).
 - Lecturer in a wide range of undergrad courses from Programming to Distributed Systems.
- DUTO**
 - Co-creator of **IRIS** a system that allows blind students to see with their hands.
 - CTO** and responsible of all the software development in the company.
 - Winner of more than 10 international entrepreneurship awards.

