oxzetta the analytics experts



Speaker



Gaston Laterza

Data Visualization Engineer @OLX

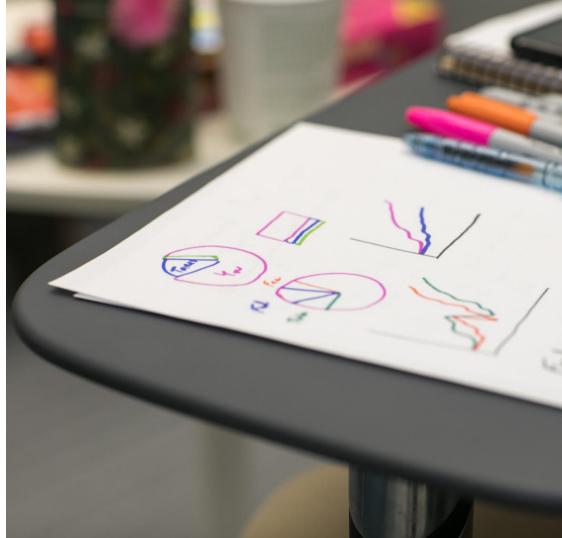
Gastón trabaja integrado con los equipos de Product, aprovechando los datos con técnicas de visualización, a fin de contribuir a la toma de decisiones.

Su rol requiere combinar la visión de un Product Manager con las habilidades de datos de un analista de Business Intelligence.

<u>LinkedIn</u> | gaston.laterza@alphazetta.net



czetta



Ya casi todos laburamos con datos...

OLS Regression Results

0.900			
0.898			
377.4			
2.20e-24			
-43.114			
90.23			
94.05			
0.975]			
2.441			

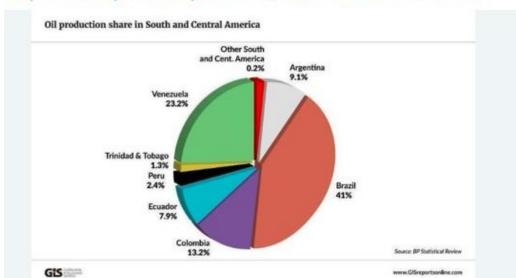




Mala Visualización de Datos



Brazil is expected to be one of the most significant sources of oil supply growth in the next five years thanks to its pre-salt layers. https://lnkd.in/dVwD-Ez

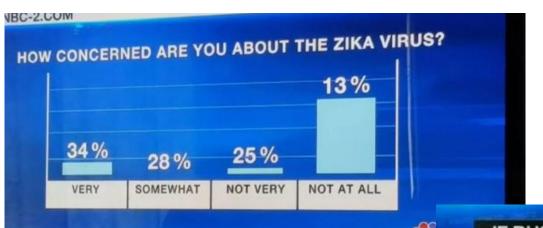


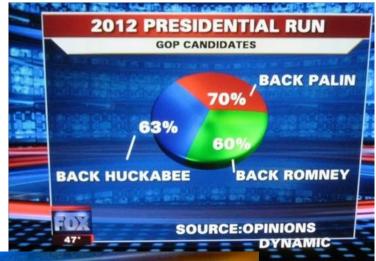


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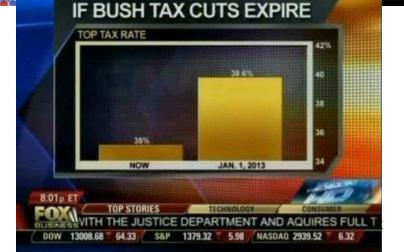


Peor Visualización de Datos





Estos muchachos se pasan



Objetivo

Comprender los principios de la visualización

para poder

brindar explicaciones de nuestros resultados mediante **gráficos efectivos**.

Evitar los errores más comunes.



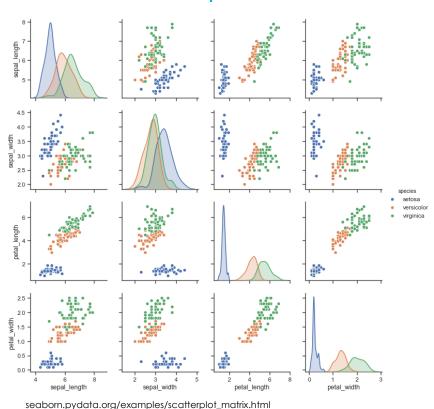
Agenda

1. El uso de las Visualizaciones de Datos

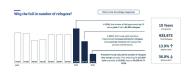
2. La solución de Pareto: el 20% de los Fundamentals de la Visualización de Datos que te va sacar del apuro el 80% de las veces

¿Dónde uso visualizaciones?

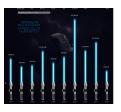
Análisis Exploratorio



Análisis Explicativo



Infografías



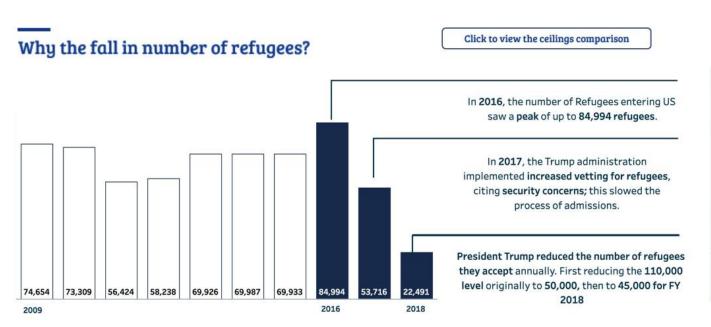


¿Dónde uso visualizaciones?

Análisis Exploratorio

Análisis Explicativo

Infografías



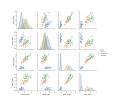


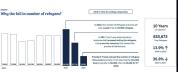
¿Dónde uso visualizaciones?

Análisis Exploratorio

Análisis Explicativo

Infografías







Receta para el éxito

Entender la audiencia

Elegir la visualización correcta

Diseñarla de acuerdo a los Principios





La Pirámide de Audiencia

Redes Sociales

Prensa

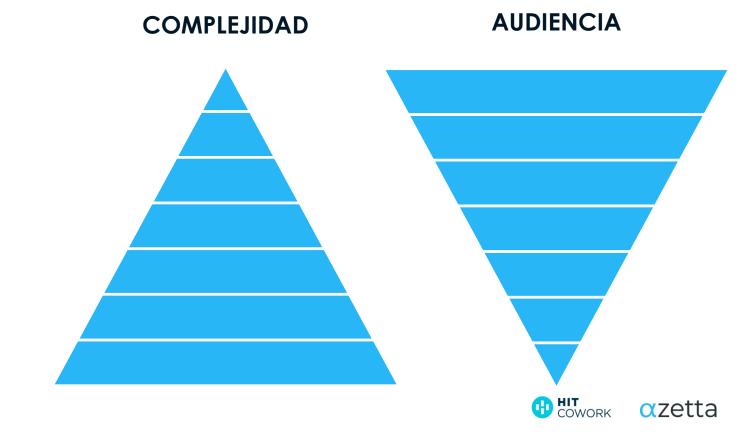
Blog

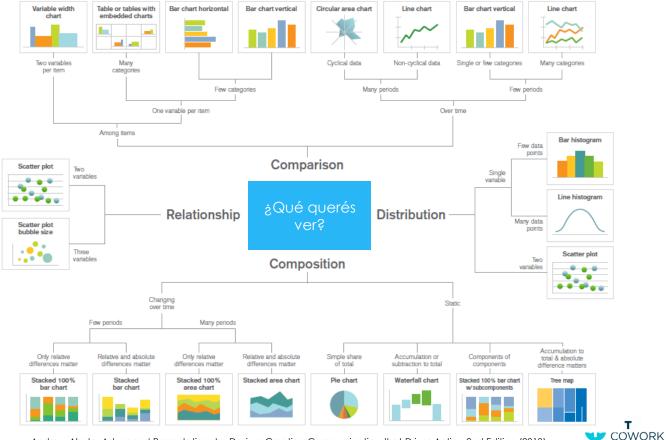
Trabajo

Universidad

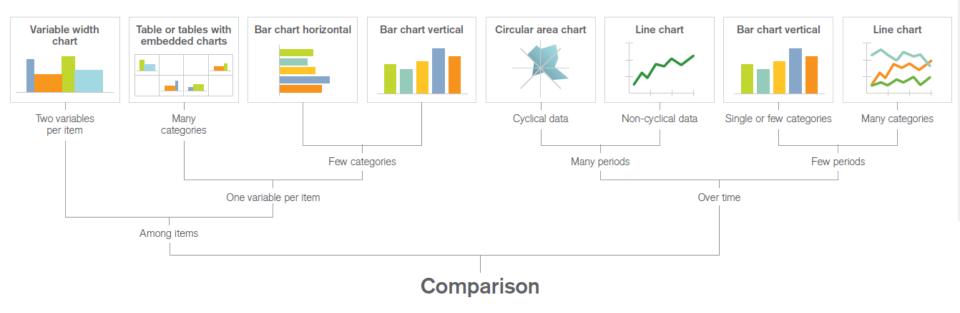
Peer Review

Reporte Técnico



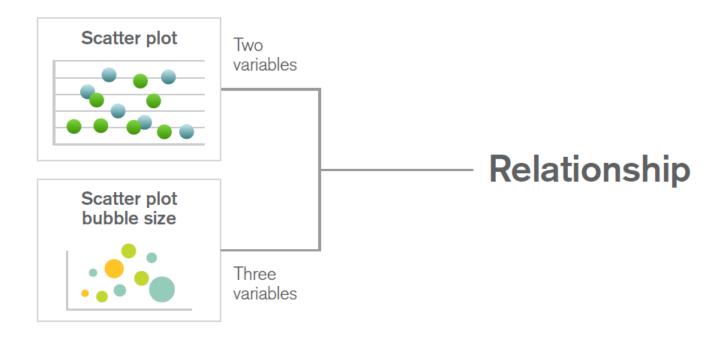






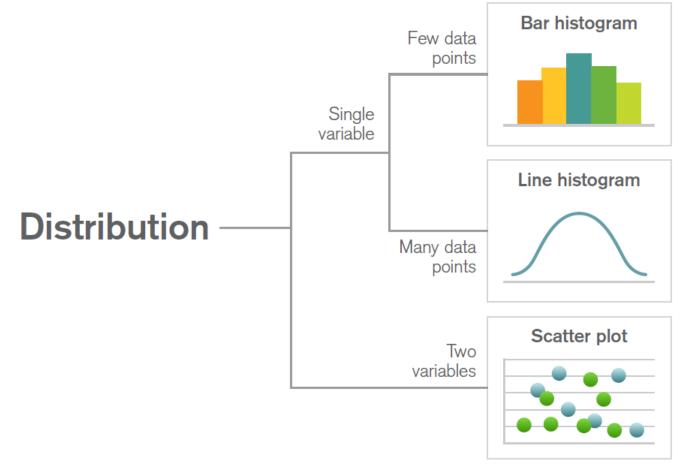


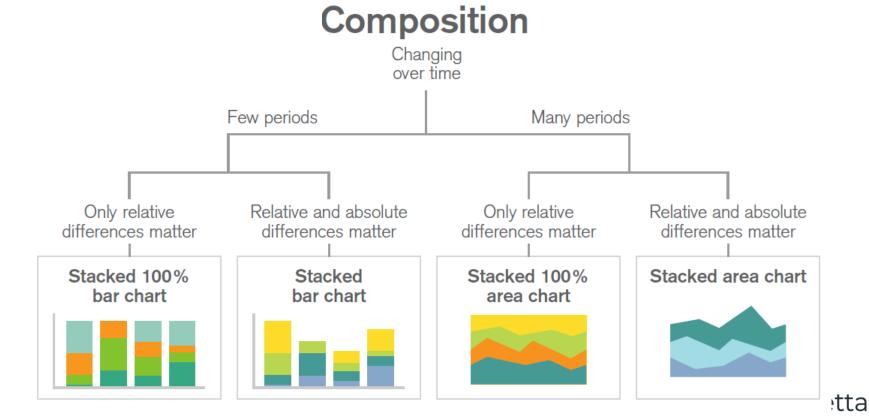












depictdatastudio.com/charts/

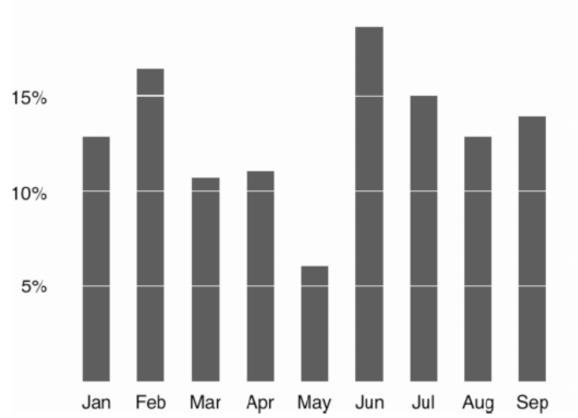
material.io/design/communication/data-visualization.html#







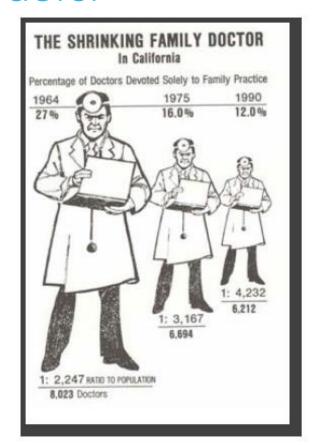
Ratio Tinta-Información

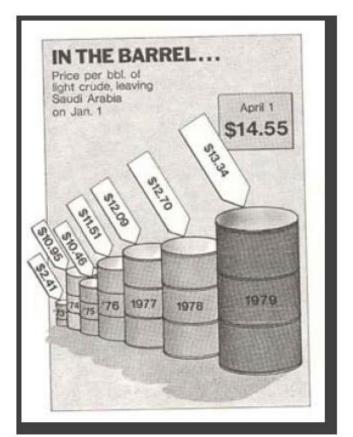






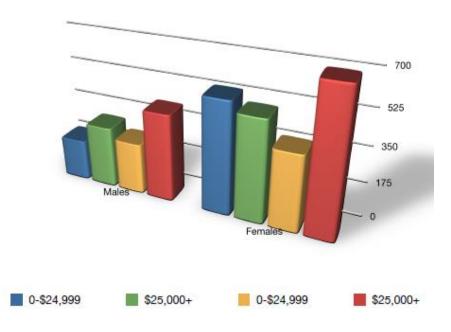
"Lie Factor"

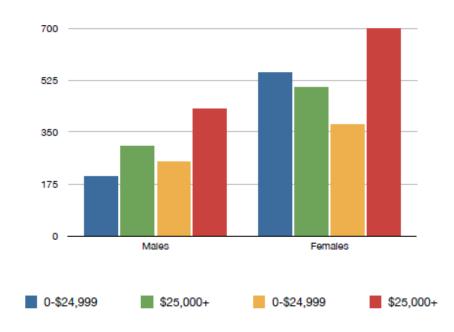






"Lie Factor"

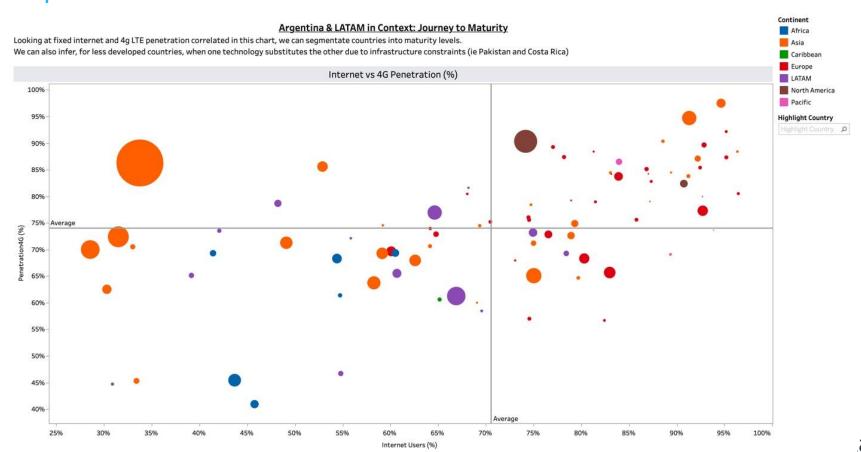








Etiquetas, escalas, información de contexto



Etiquetas, escalas, información de contexto

<u>Argentina & LATAM in Context: Journey to Maturity</u>

Looking at fixed internet and 4g LTE penetration correlated in this chart, we can segmentate countries into maturity levels.

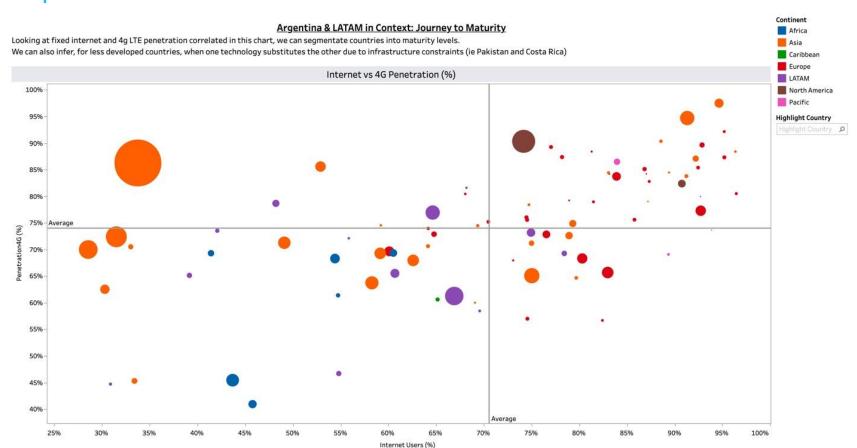
We can also infer, for less developed countries, when one technology substitutes the other due to infrastructure constraints (ie Pakistan and Costa Rica)

	Internet vs 4G Penetration (%)	
100%-		

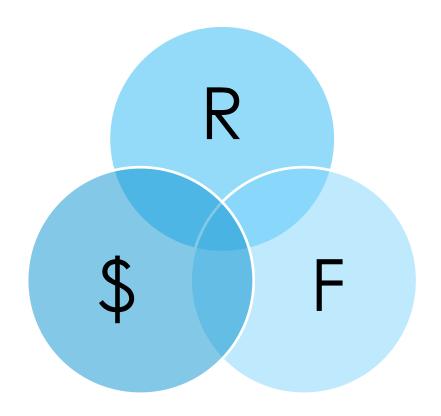




Etiquetas, escalas, información de contexto



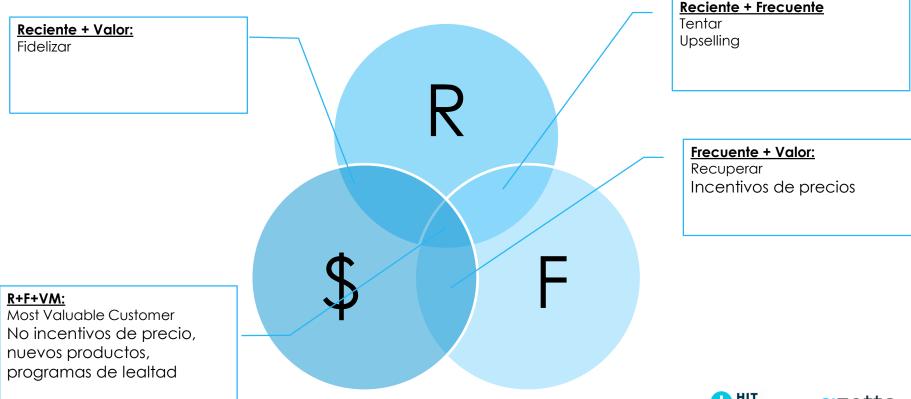
Un Ejemplo: Segmentación de Clientes con RFM



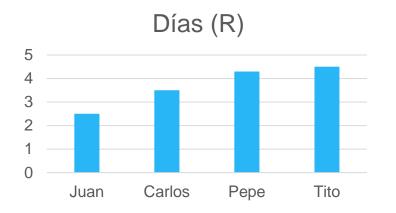




Un Ejemplo: Segmentación de Clientes con RFM



Llevándolo a Visualización



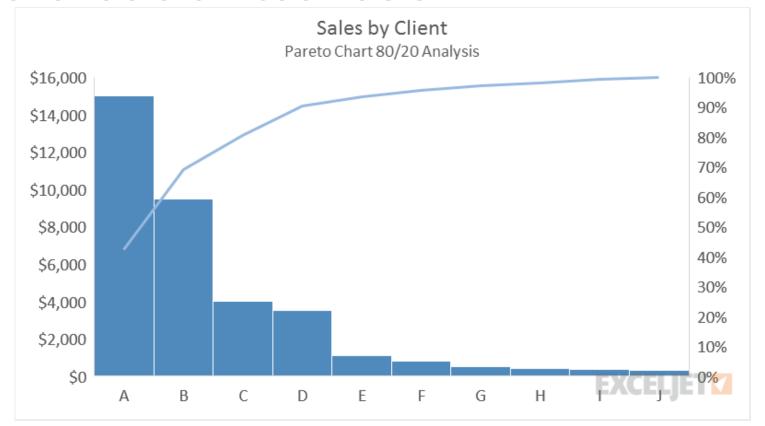








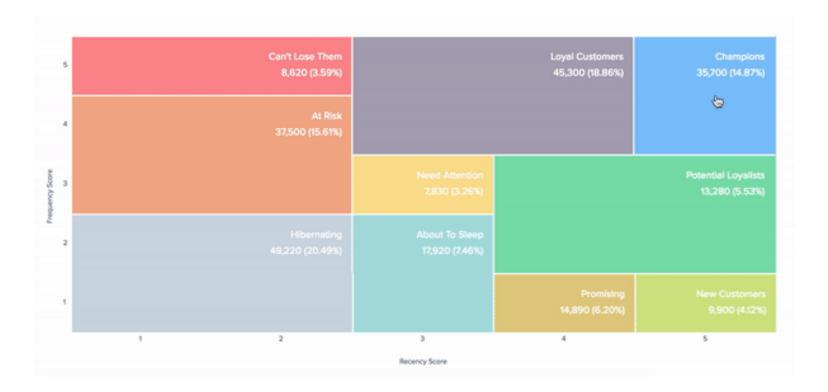
Llevándolo a Visualización







Llevándolo a Visualización









https://public.tableau.com/views/DataRevelations_DataVizSociety_Survey2019/Home?%3AshowVizHome=no





SURVEY RESULTS 1) Question selector Which of these charts have you used in production in the last 6 months? * 2) Breakdown by Years in data viz Which of these charts have you used in production in the last 6 months? Breakdown: (| = overall) 0 to 1 year 1 to 2 years Bar Chart 91% SELECT GAP ANALYSIS 2 to 4 years Line Chart 90% 4 to 6 years 71% Scatterplot 6 to 10 years Pie Chart 41% 100 200 300 Hexbin/Heatmap 40% Infographics 35% Flow Diagram (Sankey, DAGRE, Flow Chart) 33% Treemap 33% Choropleth Map 30% Network Diagram 24% Pictorial Visualization 16% Force-Directed Graph 12% 11% Other Raster Map 11% Dendrogram 10% Swarm Chart 9% 3D Charts 6% VR/AR Charts 2% 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

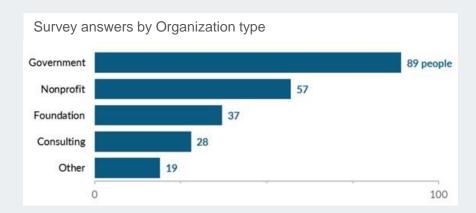




Repasando...

Esto es el 20%

- Ratio tinta-información
- Nada de Lie Factor
- Etiquetas y contexto







Conclusión

"Seek simplicity, and distrust it"

Alfred North Whitehead

