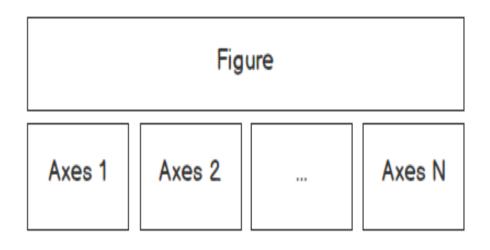
DATA VISUALIZATION

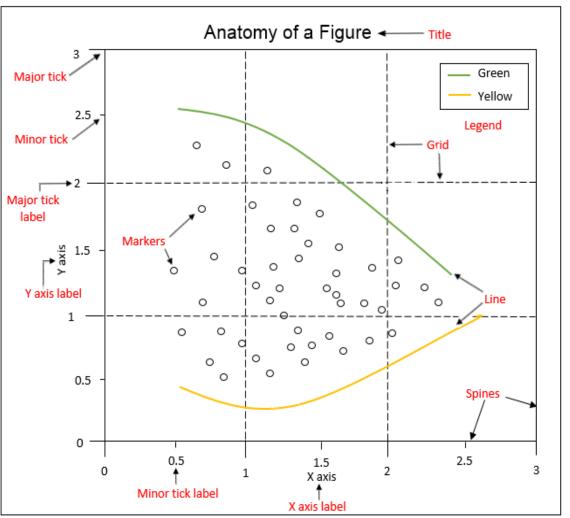
Dr.V.Ajantha Devi

Research Head



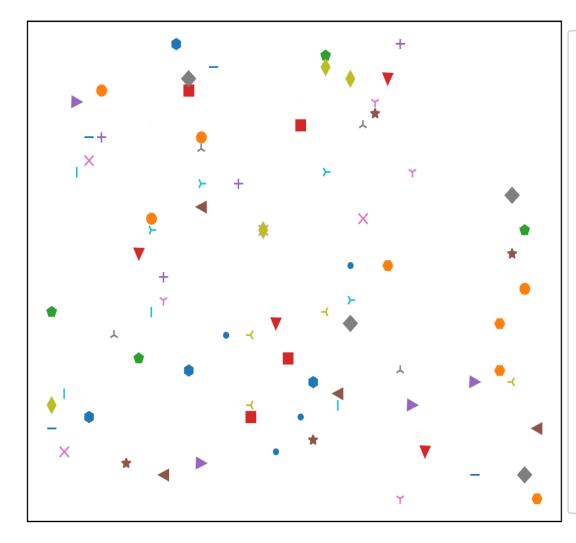
PLOTS IN MATPLOTLIB





FORMAT STRINGS

Colors	Color
'b'	blue
'r'	red
'g'	green
'm'	magenta
'c'	cyan
'k'	black
'w'	white
'y'	yellow



 point marker 	='.'
circle marker	='0'
pixel marker	=','
▼ triangle_down market	er ='v'
triangle_right marker	='>'
triangle_left marker	='<'
tri_down marker	='1'
	='2'
← tri_left marker	='3'
tri_right marker	='4'
hexagon1 marker	='h'
hexagon2 marker	='H'
pentagon marker	='p'
square marker	='s'
plus marker	='+'
★ star marker	='*'
× x marker	='x'
diamond marker	='D'
thin_diamond marke	r ='d'
vline marker	=' '
 hline marker 	='_'

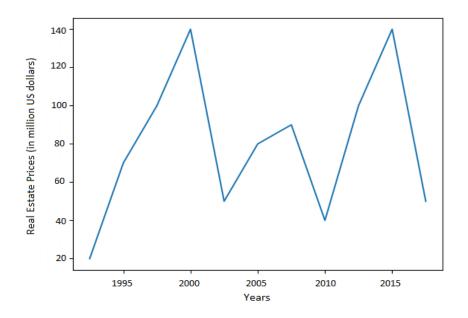
Dr. Ajantha Devi Research Head

DATA VISUALIZATION

- Comparison Plots
- Relation Plots
- Composition Plots
- Distribution Plots
- Geoplots

COMPARISON PLOTS

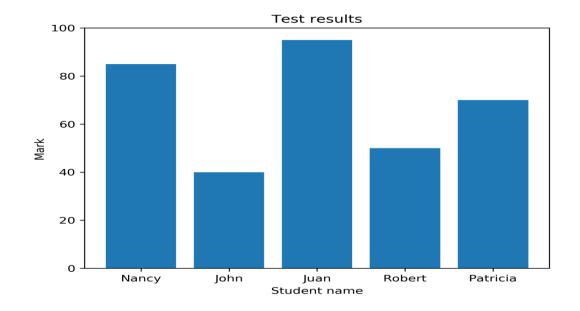
- Line Chart
- Bar Chart
- Radar Chart



- Uses
- Design Practices

COMPARISON PLOTS

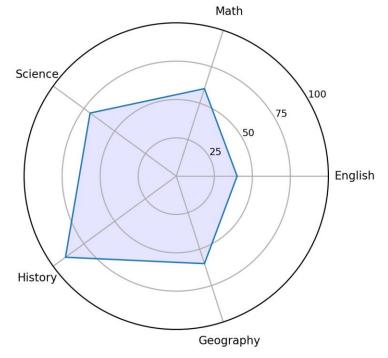
- Line Chart
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- Radar Chart



- Uses
- Design Practices

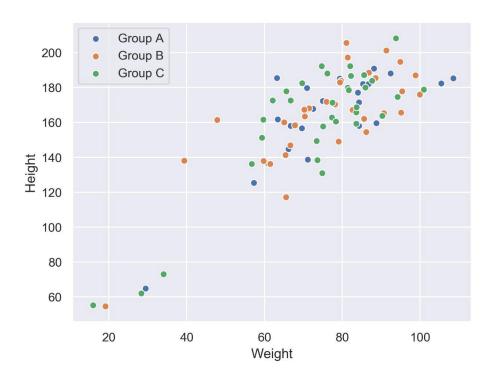
COMPARISON PLOTS

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- Radar Chart



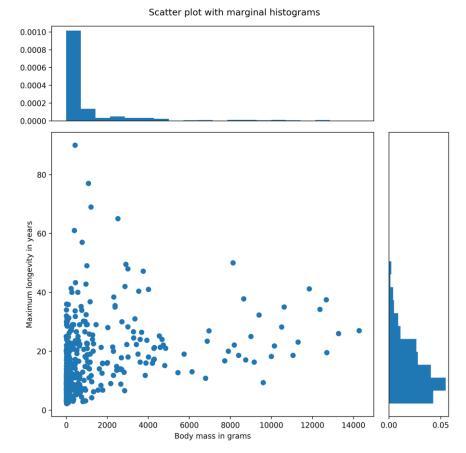
- Uses
- Design Practices

- Scatter Plot
- Variants: Scatter Plots with Marginal Histograms
- Bubble Plot
- Correlogram
- Heatmap



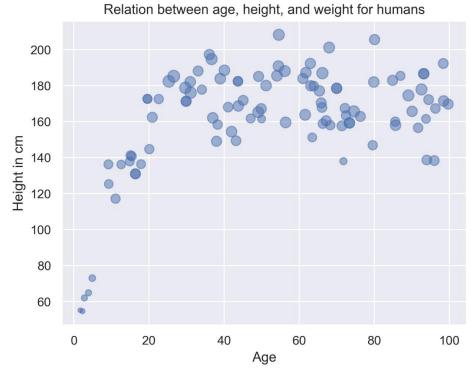
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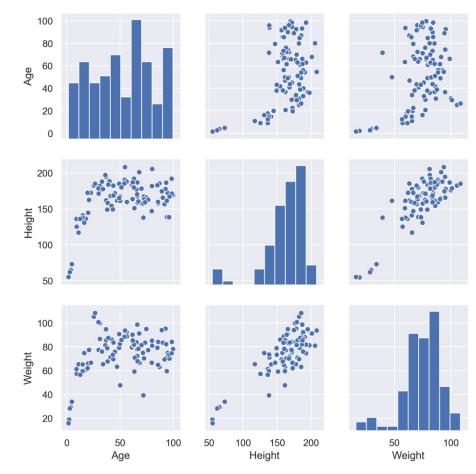
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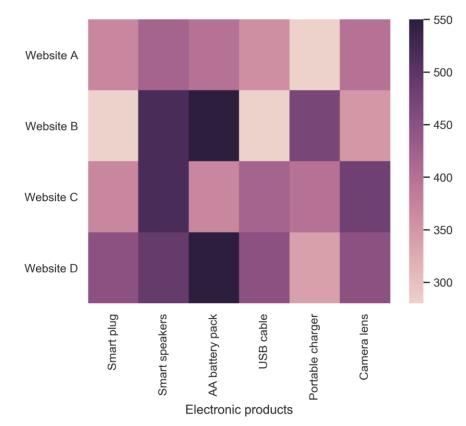
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- Uses
- Design Practices

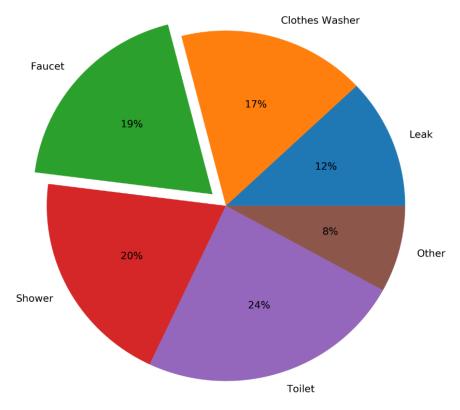
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- Heatmap



- Uses
- Design Practices

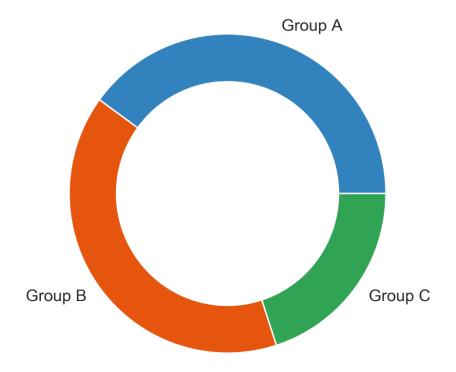
- Pie Chart
- Variants: Donut Chart
- Stacked Bar Chart
- Stacked Area Chart
- Venn Diagram





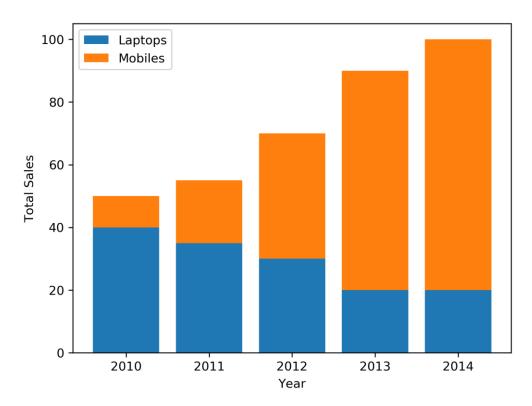
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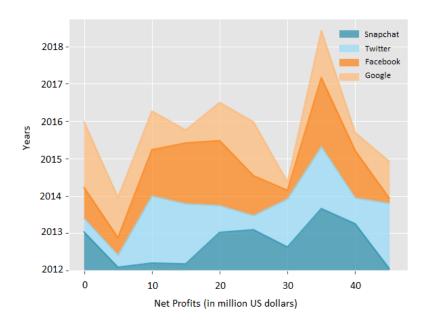
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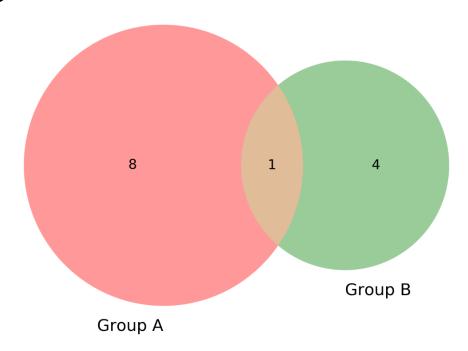
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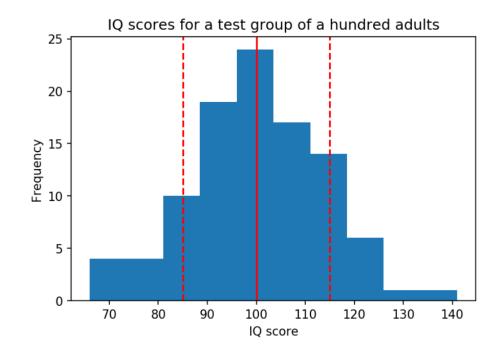
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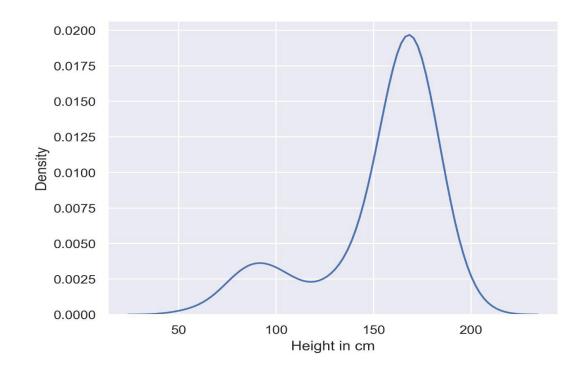
- Uses
- Design Practices

- Histogram
- Density Plot
- Box Plot
- Violin Plot



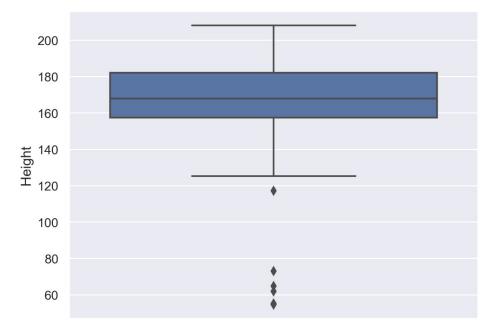
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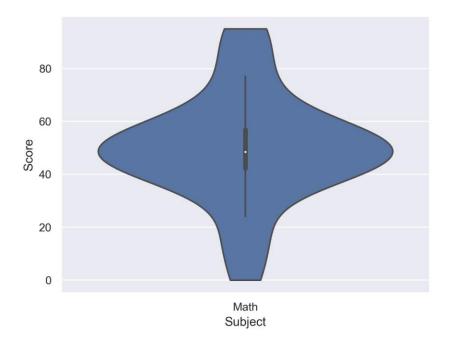
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- Uses
- Design Practices

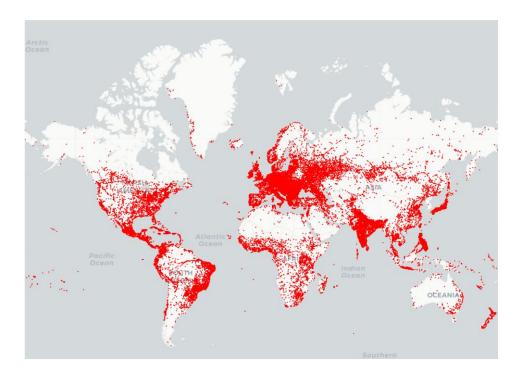
- Histogram
- Density Plot
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- Violin Plot



- Uses
- Design Practices

GEOPLOTS

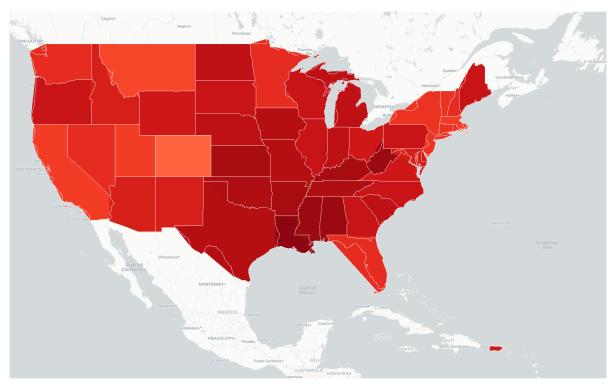
- Dot Map
- Choropleth Map
- Connection Map



- Uses
- Design Practices

GEOPLOTS

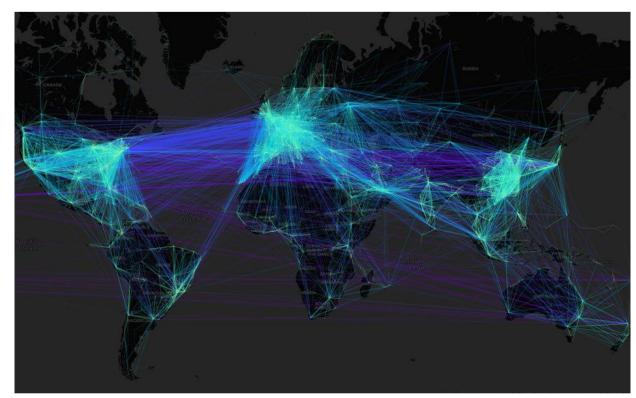
- Dot Map
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- Uses
- Design Practices

GEOPLOTS

- Dot Map
- Choropleth Map
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- Uses
- Design Practices

THANK YOU

