

Slide 2:

1. chirp: high part and low part of the sound viz

Composition:

(7) ppl have a hard time judging quantitative

2 dimensions shown

labeling can help but then why read numbers or words?

3 dimensions even worse (9)

principle of portional ink- every colored pixel should portionally match the represented quantity but raised edge gets more "ink" on the front edge and seen as more

alternatives-

donut: more about arc length

tree map: deceiver

can compare single dimensions but it's 2d viz

bar stacked: 1d comparison makes it the best but bad at showing parts of a whole

waterfall chart: builds up to 100% -parts of a whole

sunburst: parent and children

tree map: software function nesting, area-computational resource taken up. efficiency

comparison:

time evolving-stacked line chart that add up to 100%- time series representation

Pandas:

pqplot-supposed to be native, interactive plot

create object-> vehicle

classes = class of vehicles with aspect

change, will have new name, and old

widget-

h-horizontal, vbox-vertical

nest hbox and vbox possible

tab-web browser

accordion-vertical stacking layout

DEMO:

got to launch everything from the same place to import libraries (anaconda)

pip-preinstalled

CODE:

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```
import traitlets #maybe pip install traitlets but should come with anaconda (do that first in a new notebook)
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