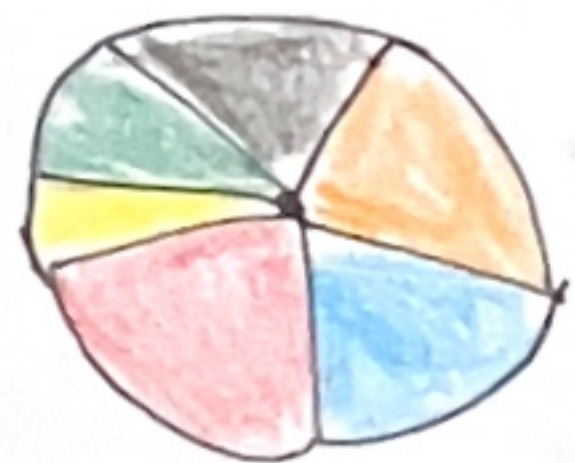
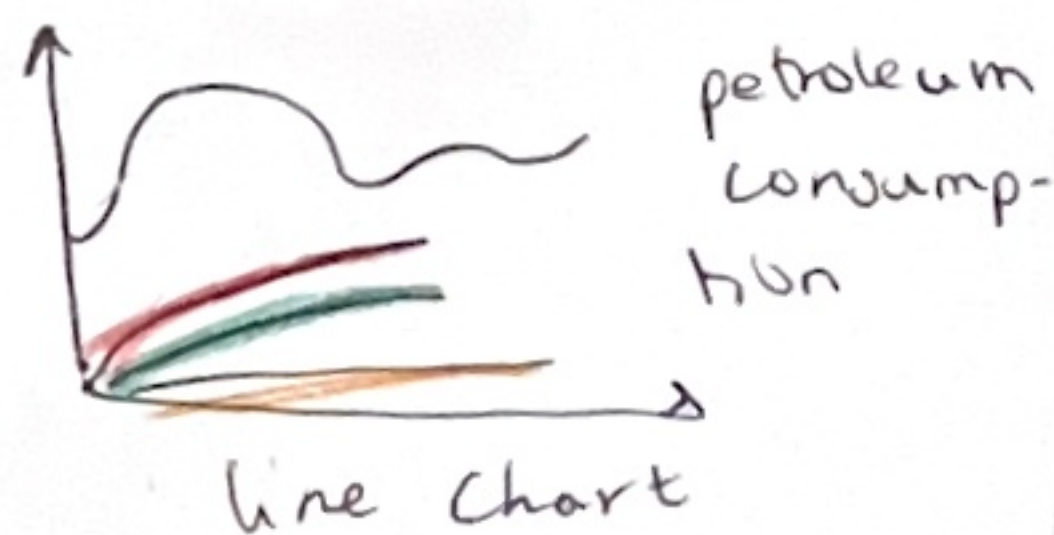
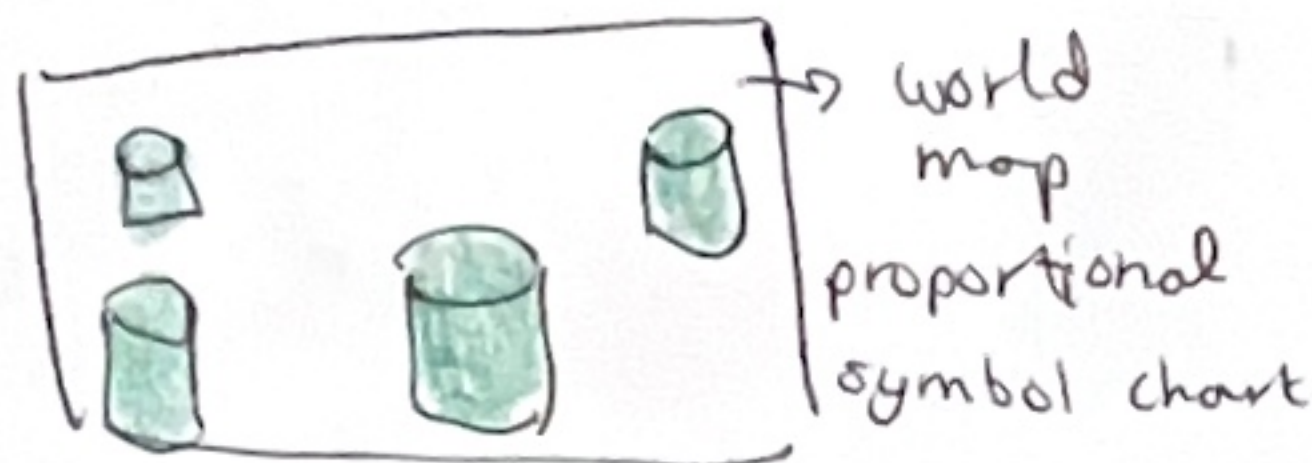
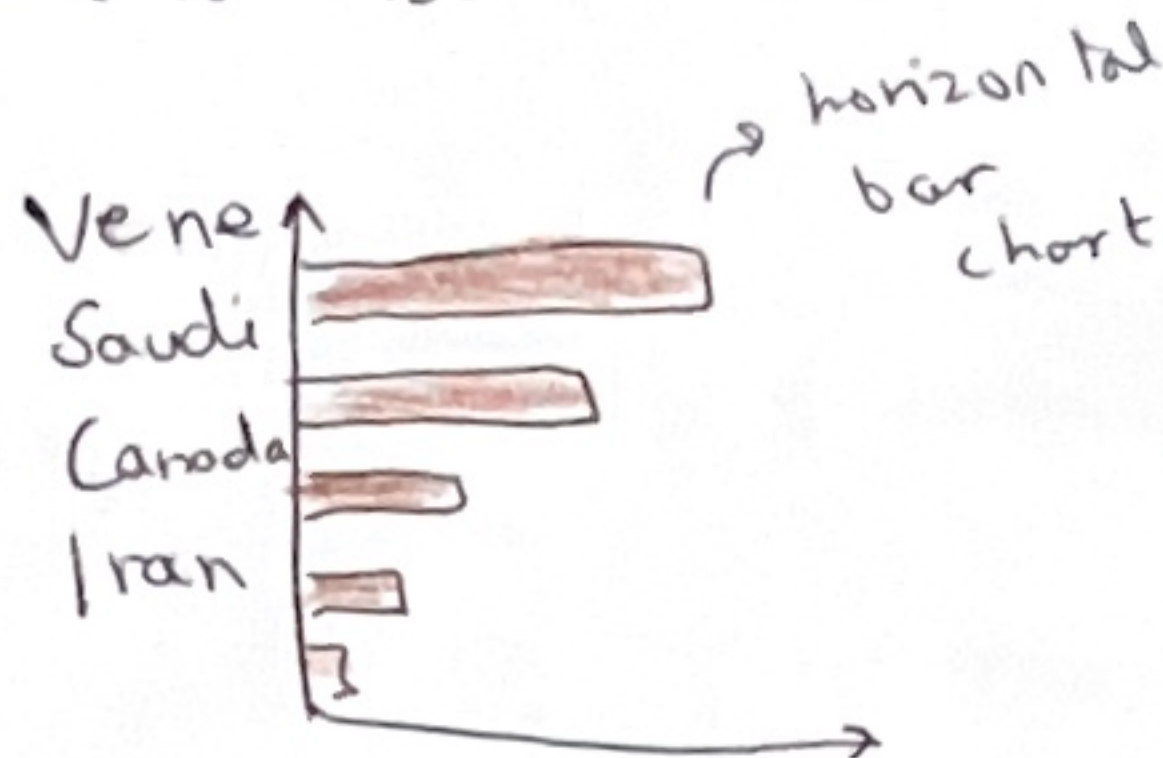
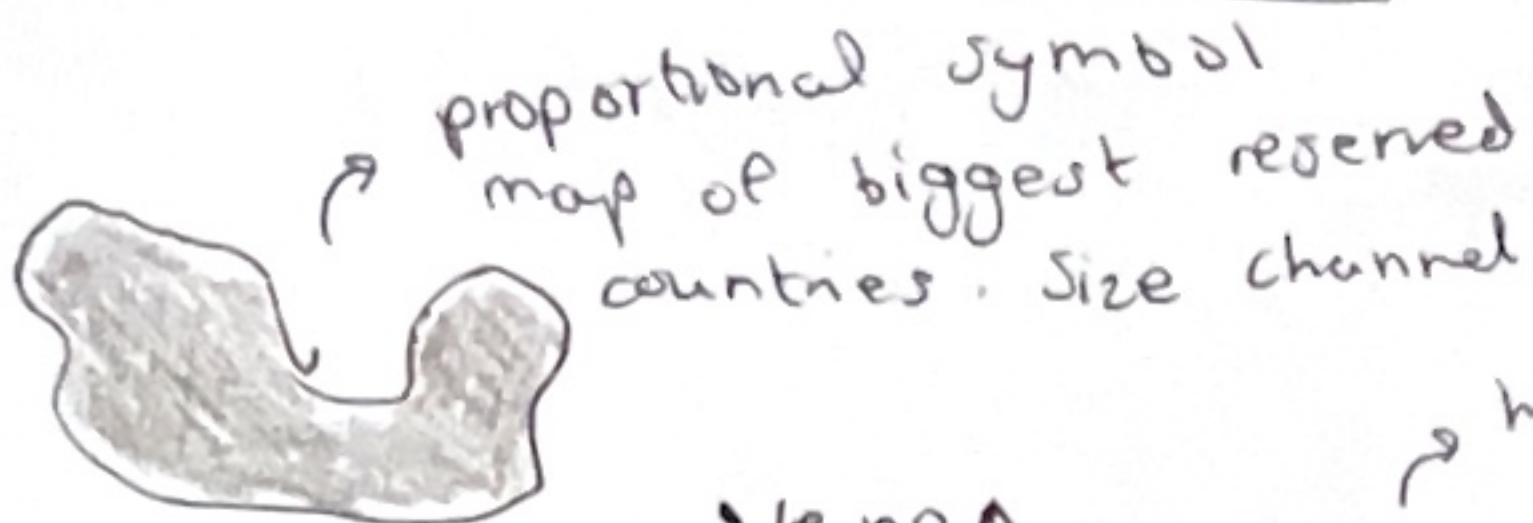


① IDEAS

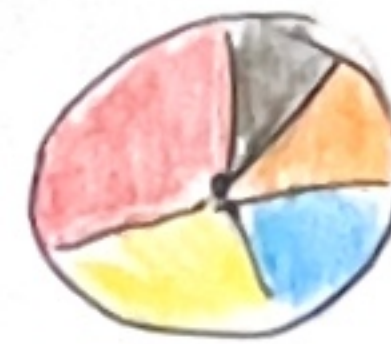


Biggest oil & gas companies

② FILTER



Oil reserve
• World map
• Choropleth
X no need for proportional symbol chart



Pie chart of biggest oil & gas companies



line chart of petroleum consumption



③ CATEGORIZE



• Choropleth & proportional symbol chart combined

+ line chart to show world data



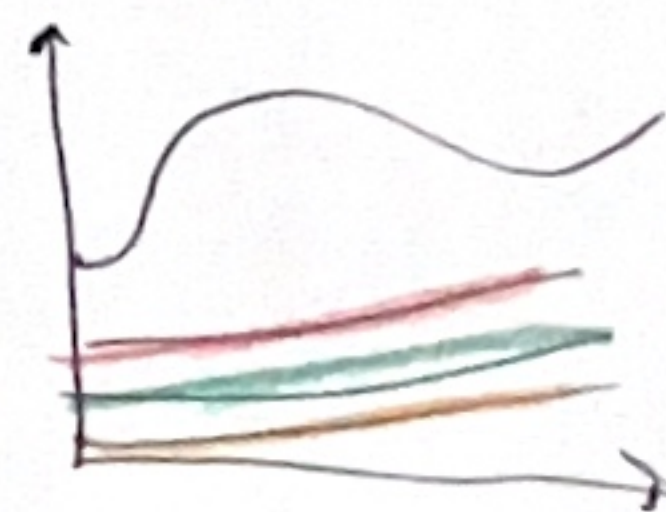
natural resources consumption



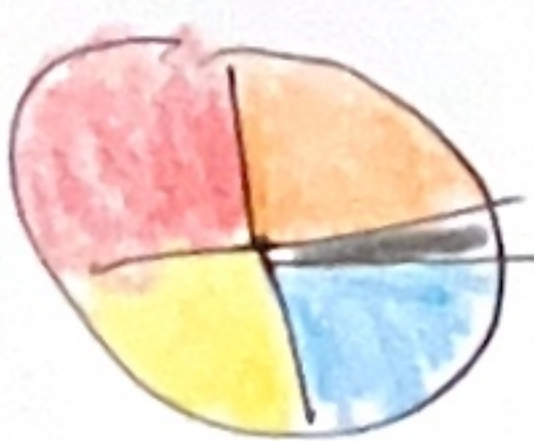
④ COMBINE & REFINE



Worldly data
① → all describes world data



② company data



③ Top 3-5 Countries with oil reserves



⑤ Questions

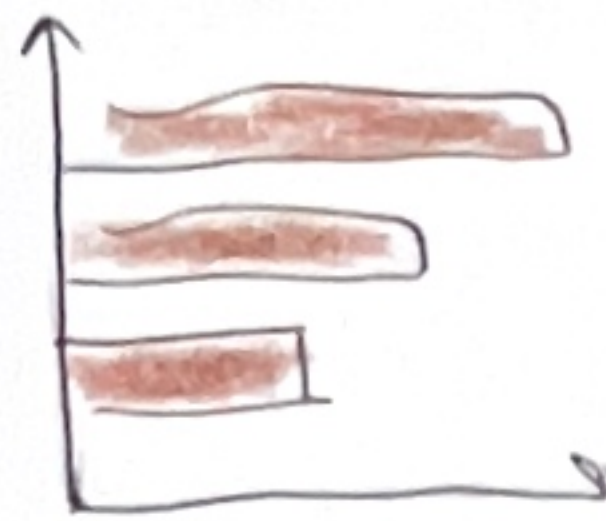
- Does this visualisation help readers identify countries important to oil and gas?
- Do readers understand "crude oil" aka contextual information?

Layout

proven oil reserve



top 3



Share of Energy



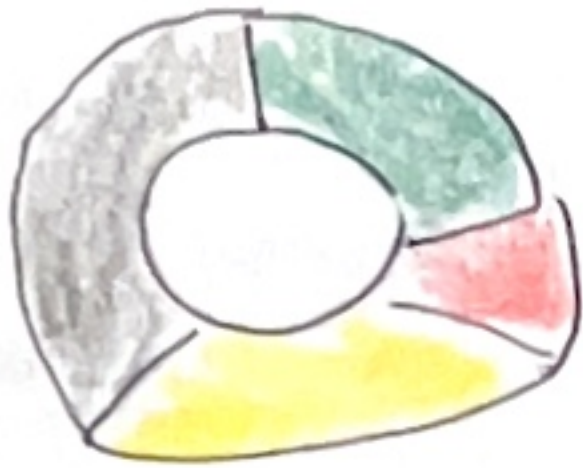
Energy consumption



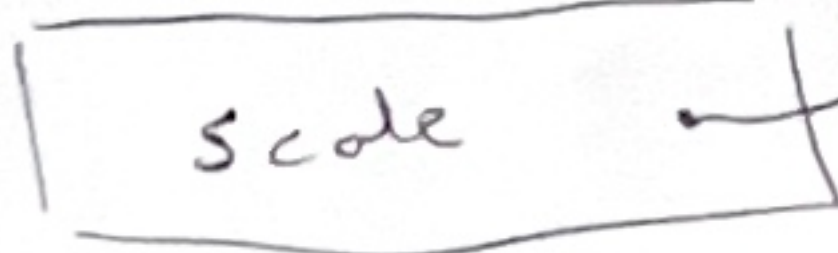
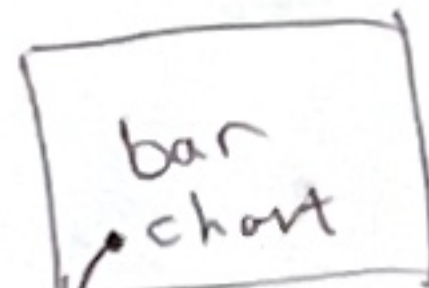
profit by company



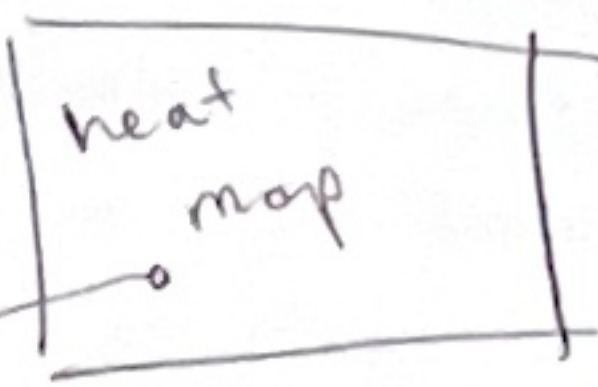
Market Share of oil & gas companies



Focus



these shows the worldly data introduce the ~~top~~ domain well.



these shows the company that can control the energy industry.. (Influence)

Title: Overview Dashboard

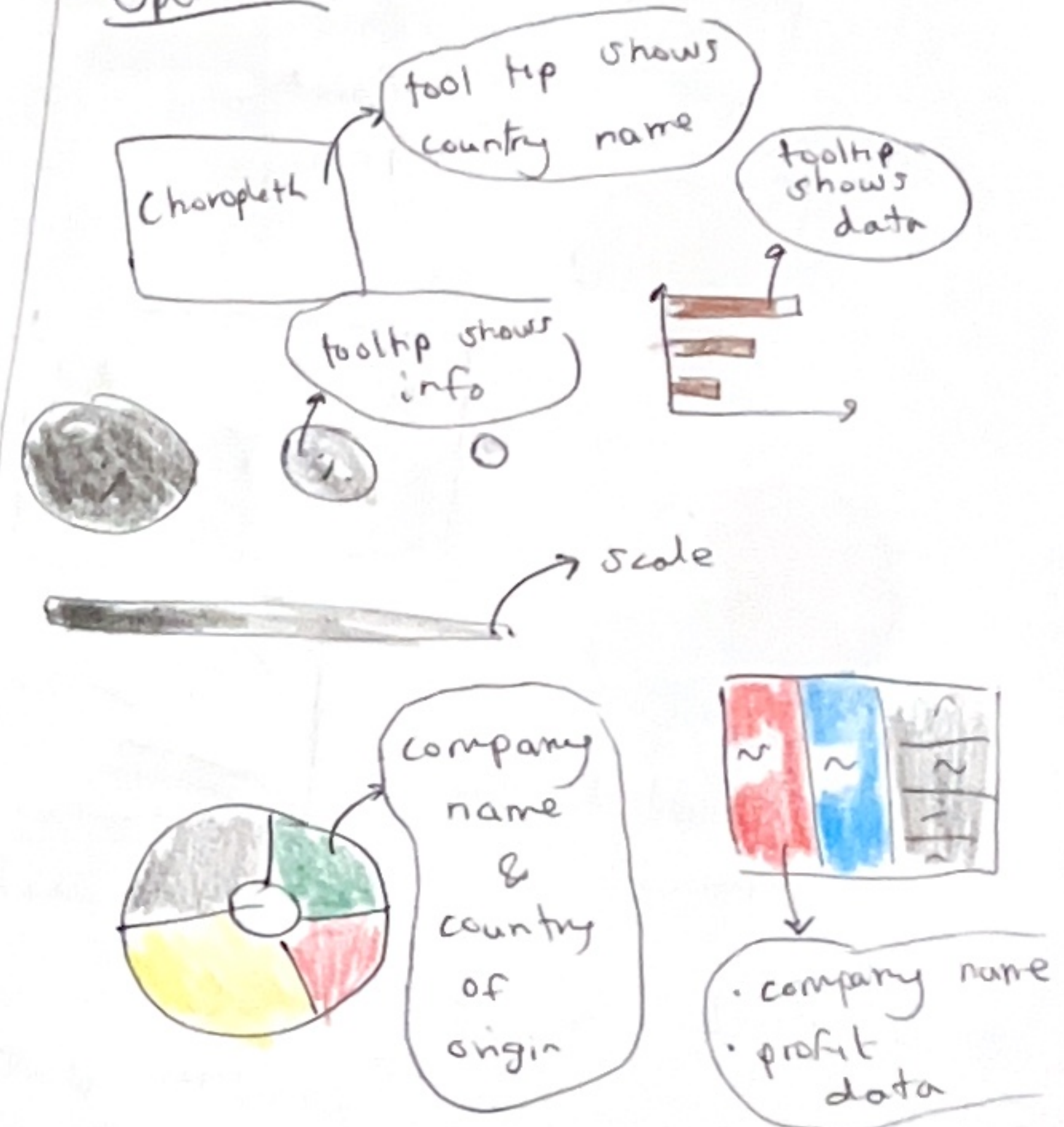
Author: Matt Dantoradate

Date: 14/09/2024

Sheet: 2

Task: FIT3179 Assg 2

Operations



Discussions

- Do readers need to know more information?
- Is there a transition between world data to company?
- Should scale consumption come first?

layout

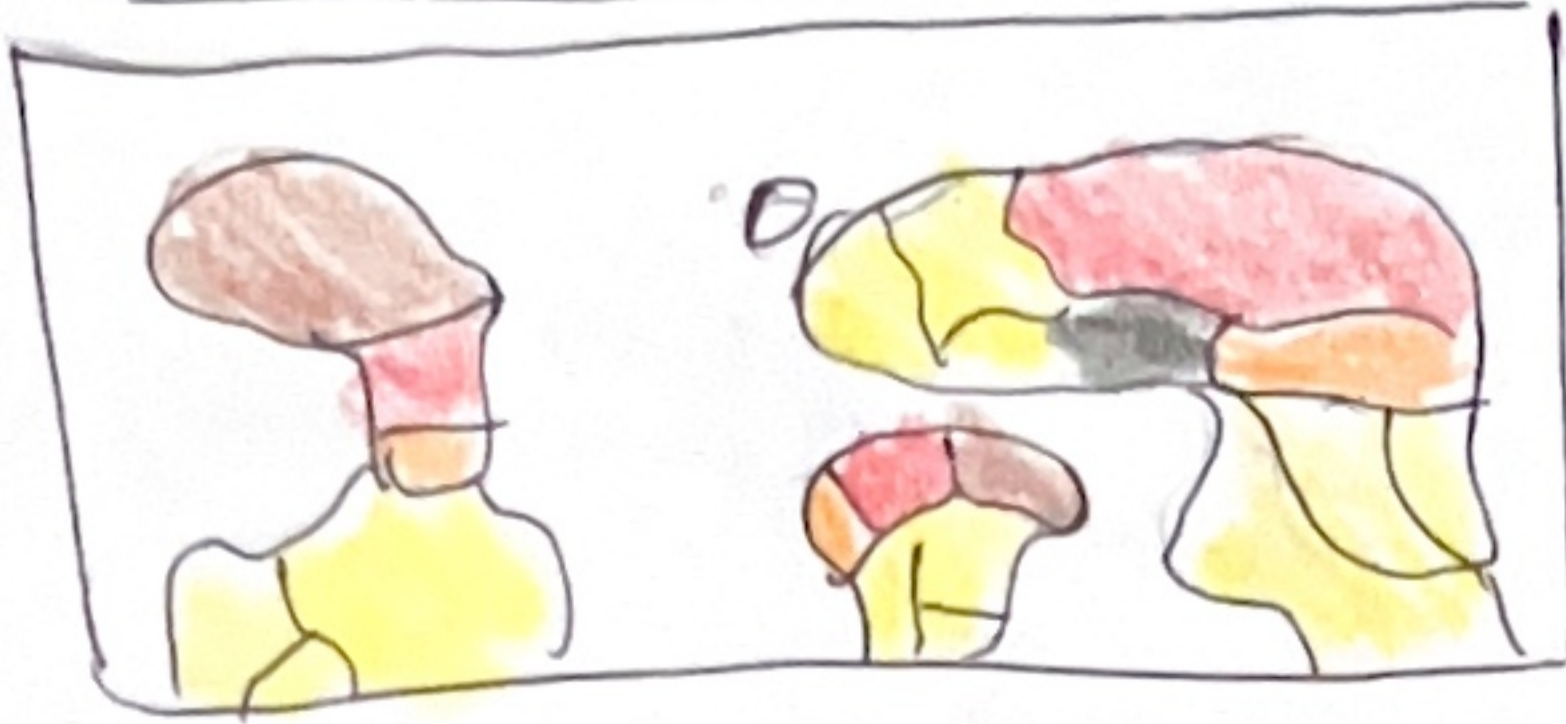
Oil revenue for 3



Oil consumption

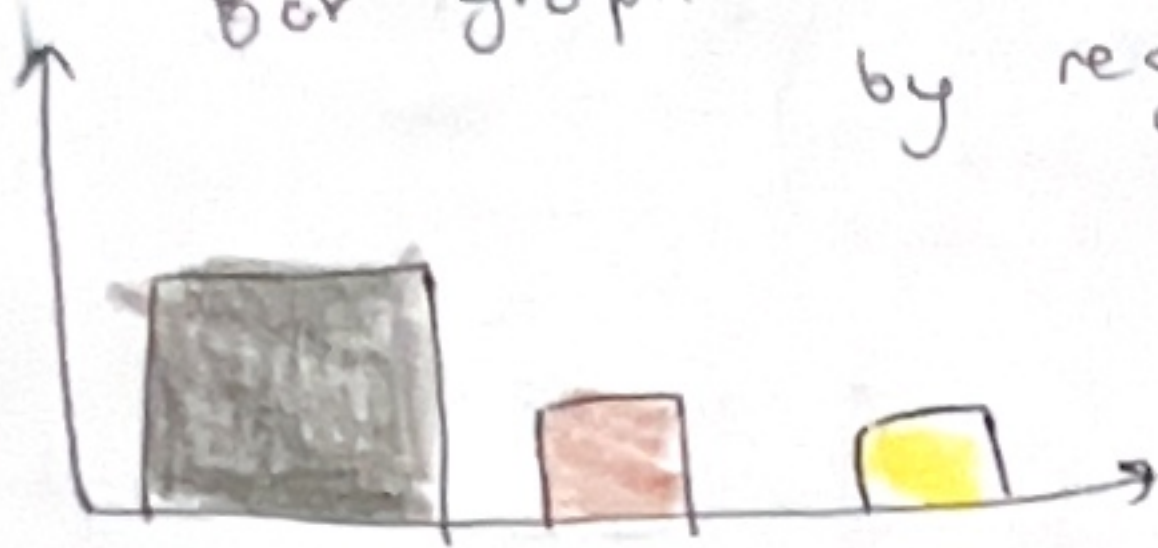


explanation

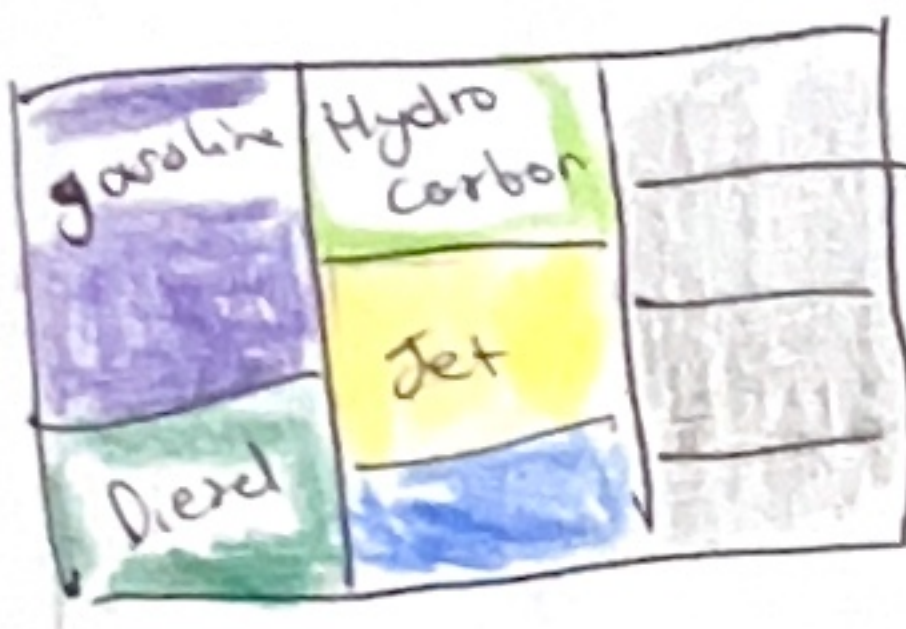
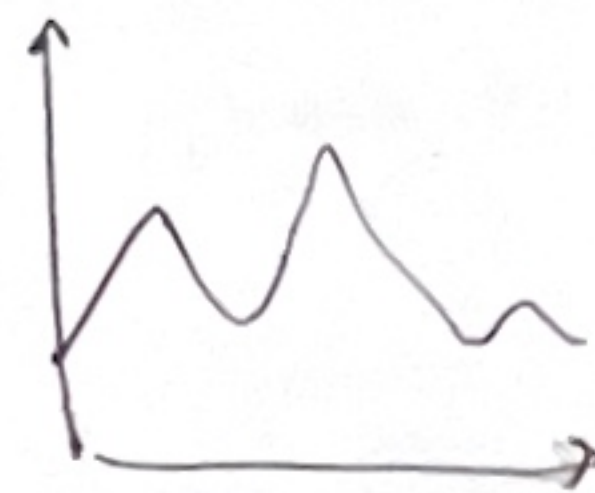


choropleth
of countries
& oil
revenue

Bar graph - oil revenue
by region



oil prices



products from
crude oil

Focus

Bar chart

highlights the
biggest countries

multi-
line chart

introduce
the ~~the~~
domain &
its importance

Follows
the
same scale

Choropleth
chart

displays the
data of
each
country

summarises
the data

additional
information

Bar
chart

Line
chart

Heat
map

extra contextual
information

Title: Narrative Dashboard

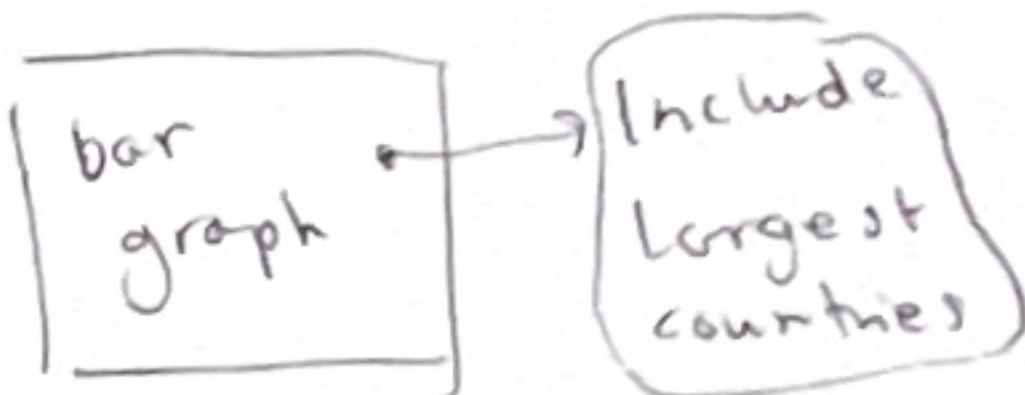
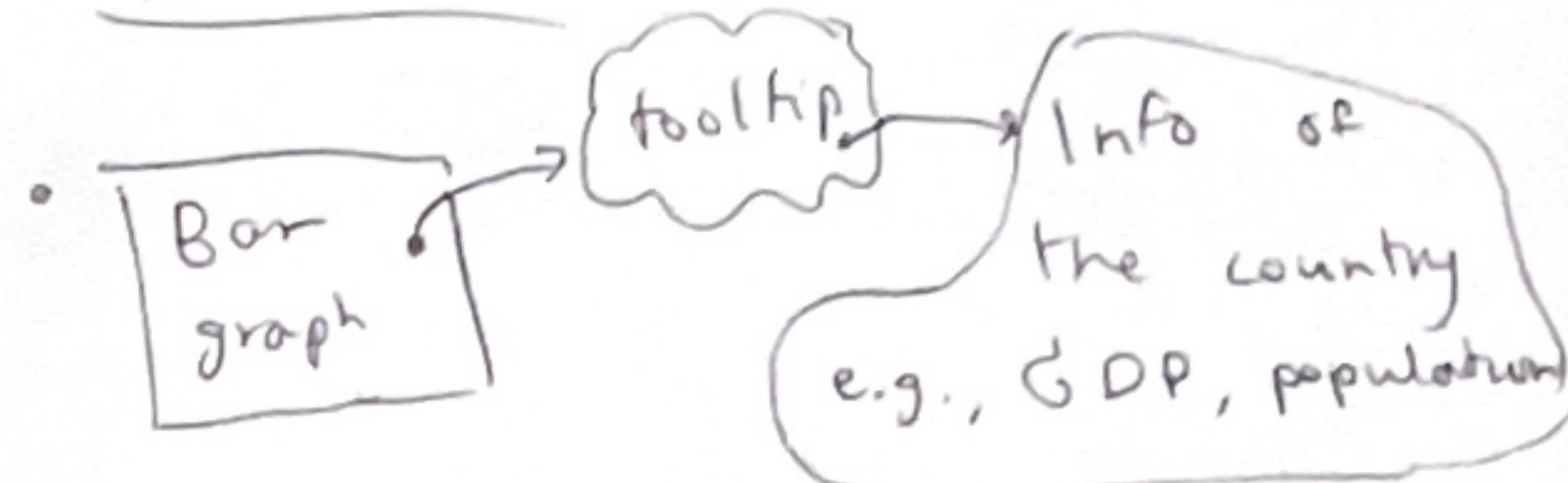
Author: Matt Dantaradate

Date: 14/09/2024

Sheet: ③

Task: FIT3179 Ass 2

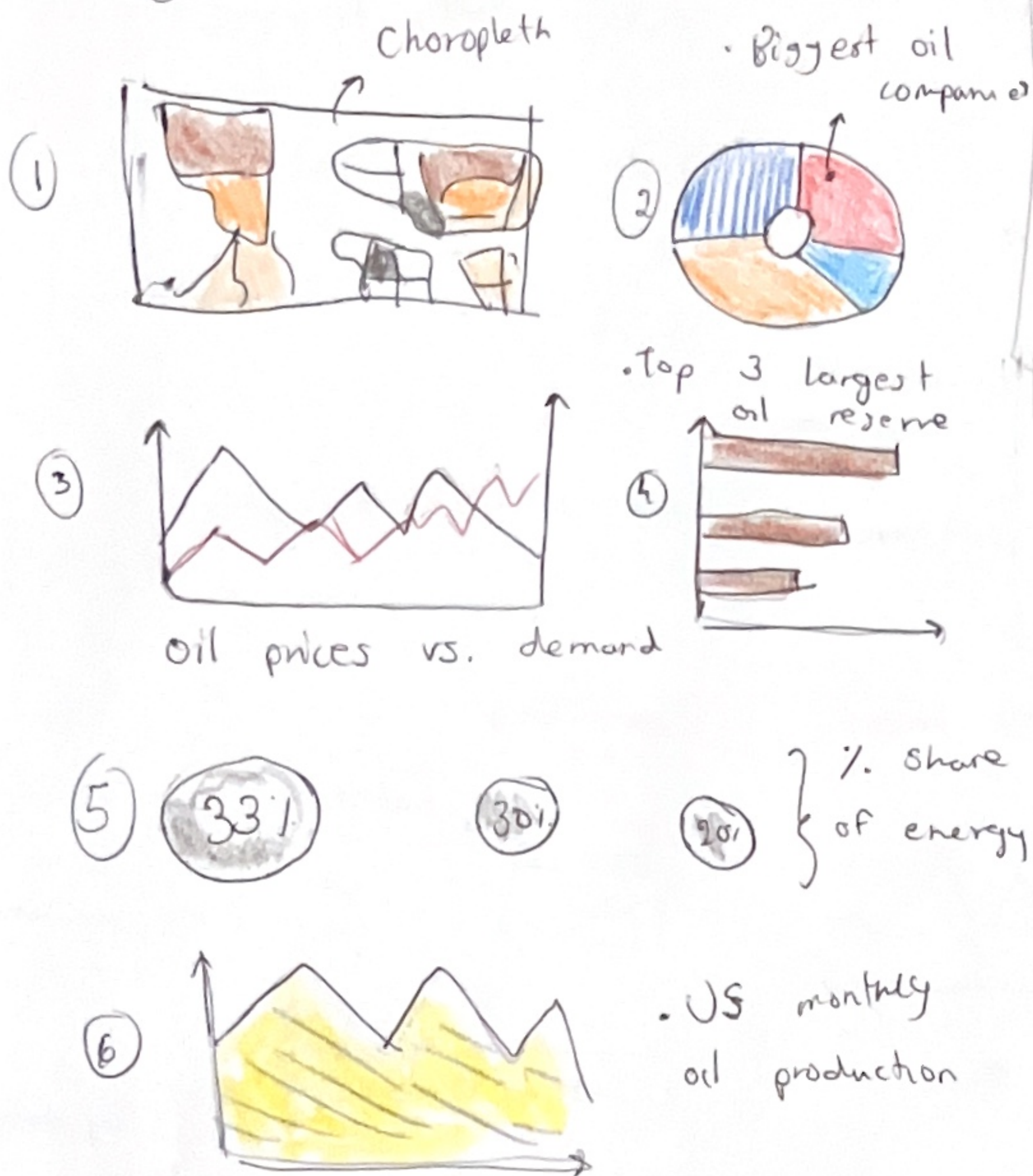
Operations



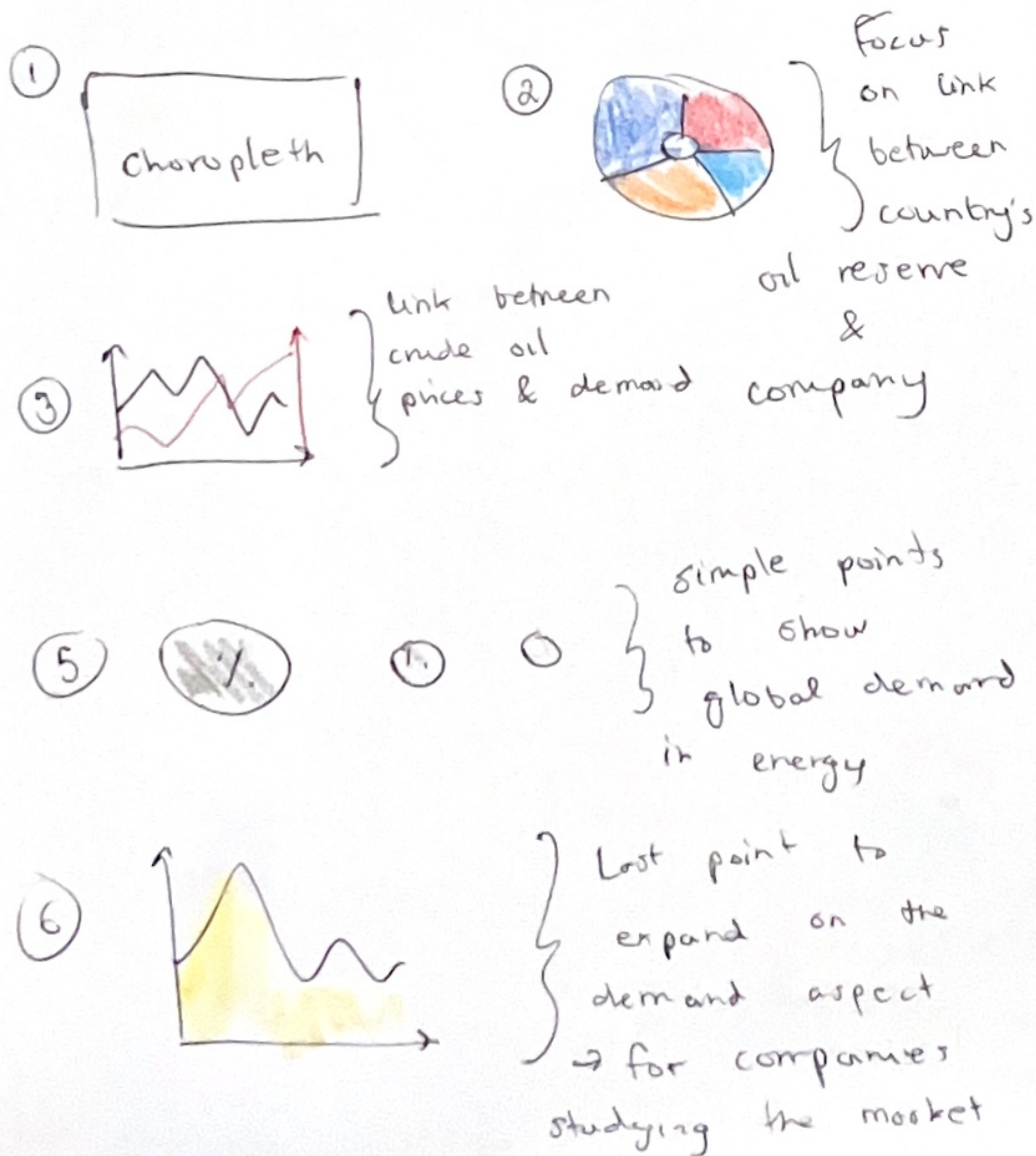
Discussion

- Removing the company section, ~ does it have any impact on the why? of the domain?
- Are the additional information needed?
- Too ~~many~~ much clutter?

Layout



Focus



Title: Dashboard overview II

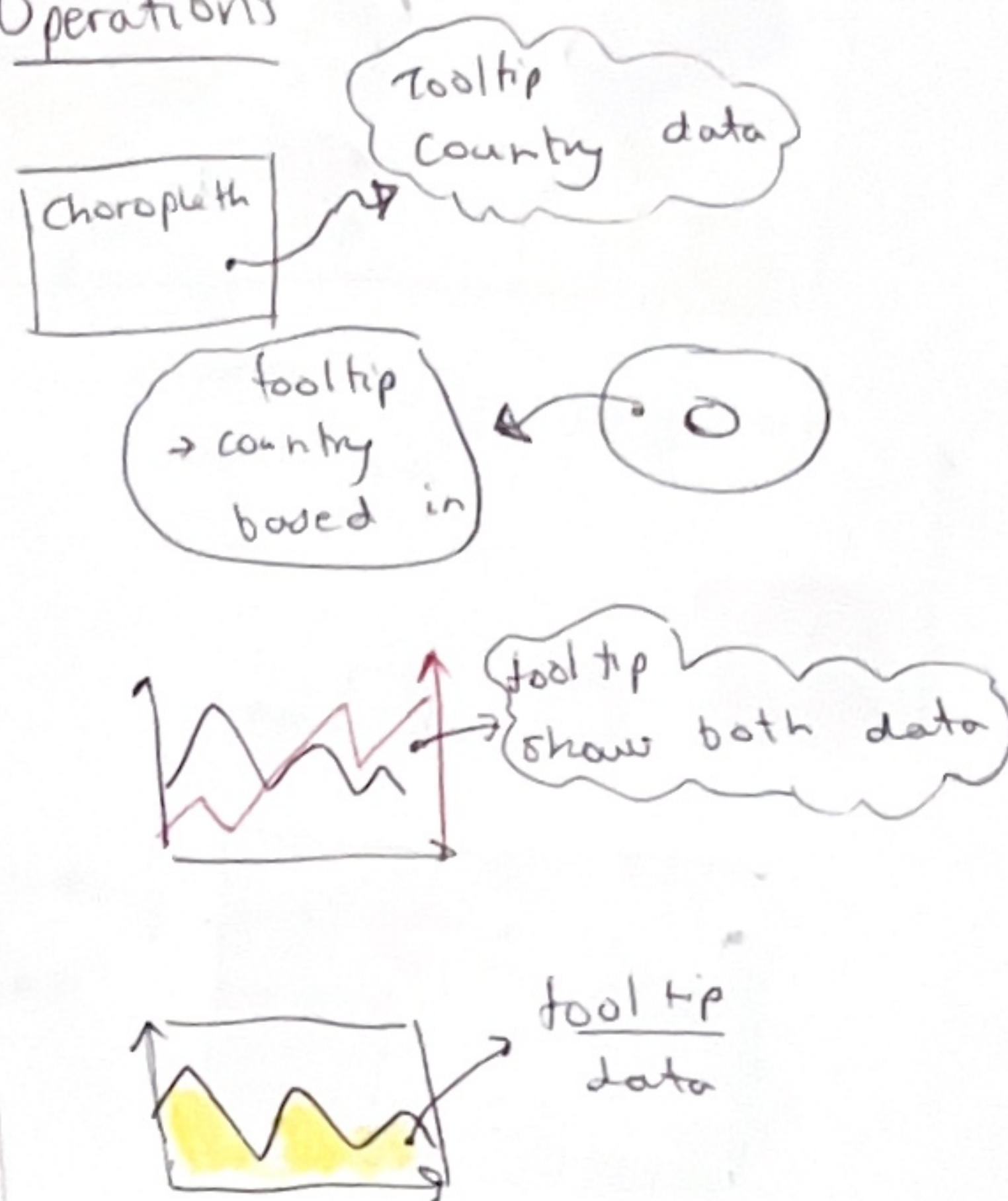
Author: Matt Dantarodate

Date: 14/09/2024

Sheet: 4

Task: FIT3179 Asg 2

Operations



Discussions

- Are visualisations the simplest way to represent these data?
- What are annotations required in the charts?
- How do readers know what oil is used for?
- Visualisation has a good story flow.

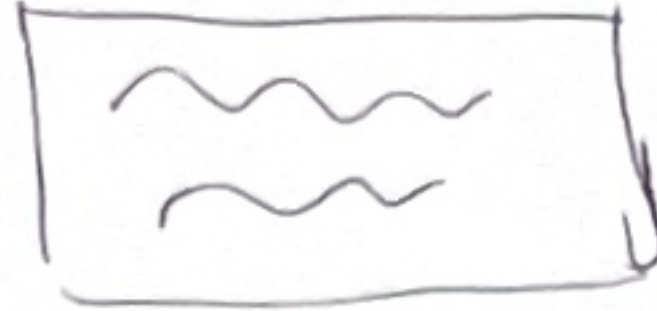
Layout

World Oil Reserve

①



Info sheet



②

• Top 3 largest oil reserves

③



Biggest Oil company + country flag logo

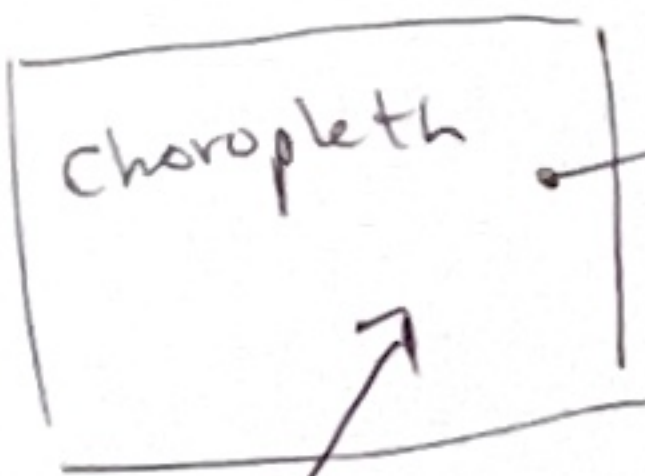
④



• Petroleum demand from countries

Focus

①



Displays geographic data
main focus of visualisation

②



③



World data

→ provides readers with geographic knowledge with data

④



→ line chart to show demand

Title: Final Design

Author: Matt Dantarodate

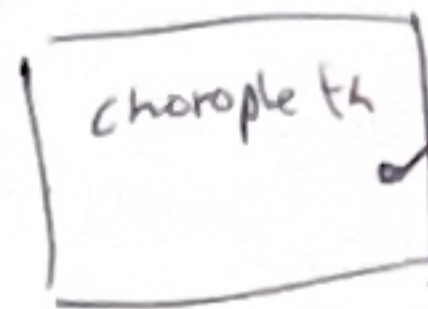
Date: 14/09/2024

Sheet: 5

Task: F173179 Arg 2

Operation

①



tooltip

country's data

②



has flags as y-axis

③



tooltip

show country of origin

④



tooltip

identify country

Detail

• Time to collect & clean data: 3 days

• Time to build code: 4 days

• Data uses CSV files

• Choose color via colour blind palette.

• Follow similar layout, color, typography as Arg 1.