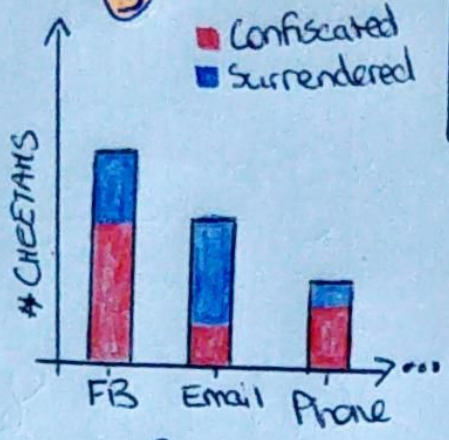
SHEET 1: IDEAS

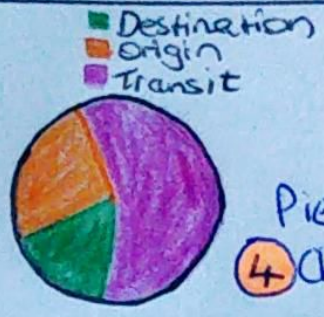
INFO

Title: CS5044 P2
Author: 200030212
Date: 31/03/2021

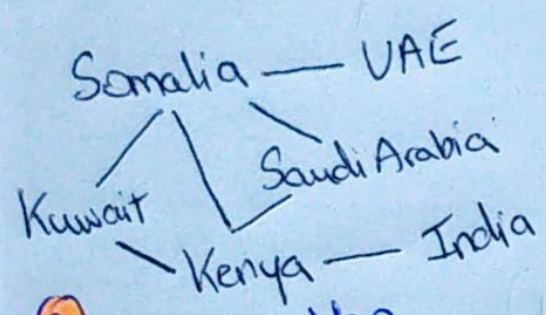
Route Map (:geopath)

3 Bar Chart

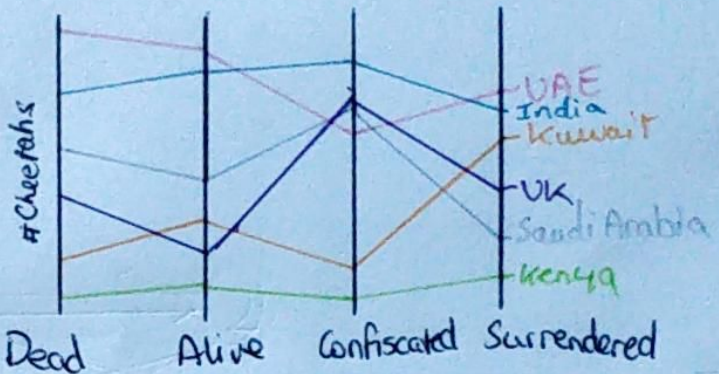




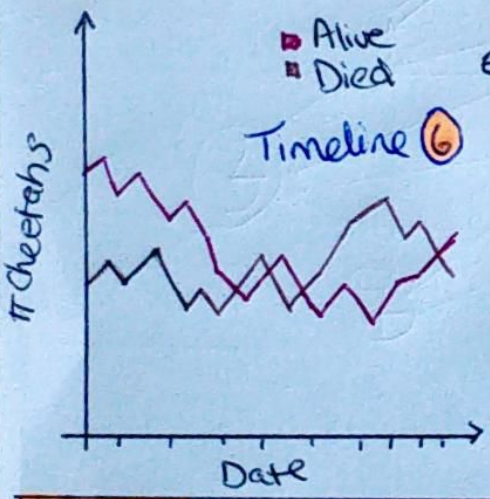
Pie 4 Chart



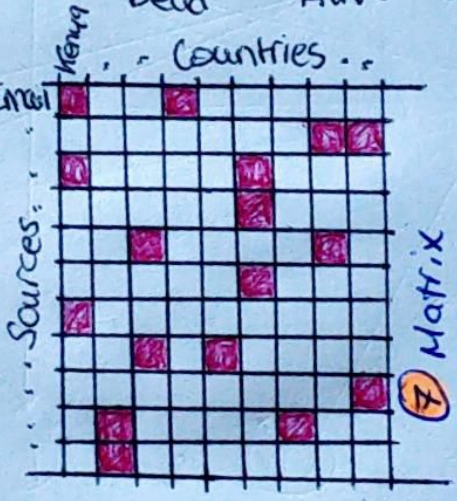
2 Network Map.



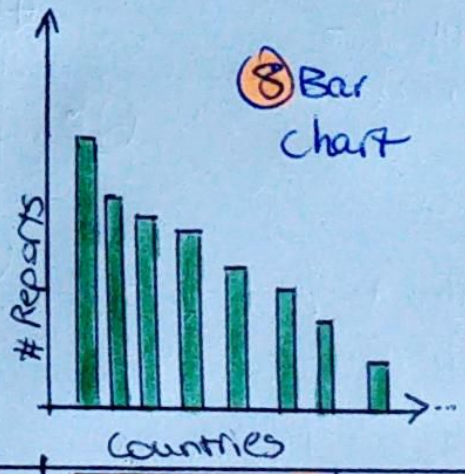
5 Parallel Axis



Timeline 6



7



8 Bar chart

FILTER

4 Some countries are both destination & origin

2 Location more expressive as a map (1)

CATEGORISE

(1)(2)(4)

(3)(7)(8)

(5)(6)

COMBINE

(7)(8) Bar chart can be stacked to show sources per country

(1)(4) Number of reports can be encoded as size of route line

QUESTIONS

- Where did reports come from?
- What was status of cheetah
- Where were they trafficked
- Which countries traded the most?
- Where they found at destination or origin?

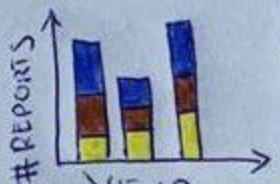
IDEAS

INFO
Title: Ideation
Author: 19003140g
Date: 31.03.2021
Sheet Number: 1

① MAP

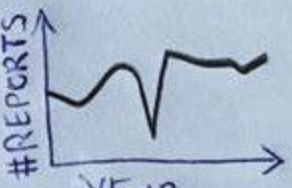
Marks based on Location

② Staked Bar Chart



- Alive
- Died
- Confistated

③ Line Graph



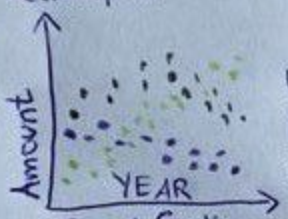
- INCIDENTS/REPORTS

④ Pie Chart

- seizure
- trade
- transfer

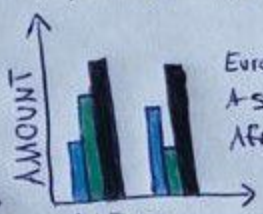
⑤ Tree Map

⑥ Scatterplot



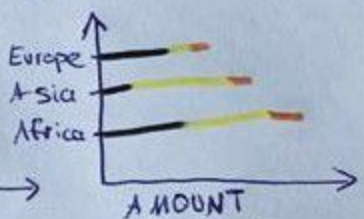
- A
- B
- C

⑦ Grouped Bar Chart



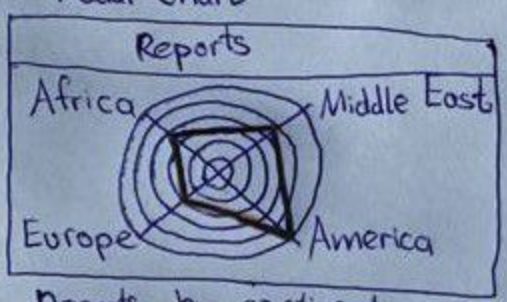
Source Type
- Ultimate Source Type
- Ultimate Source Reliability
- Original Source Type

⑧ Horizontal Bar Chart



- Dead
- Alive
- Confistated

⑨ Radar Chart



Reports by continent

Filter

⑤ Low expressivness
⑥ irrelevant as grading is not reliable/clear

Categorize

① ⑧ ⑨	② ③ ⑦	⑤ ⑥ ④

Combine & Refine

① + ③ combine timeline with map

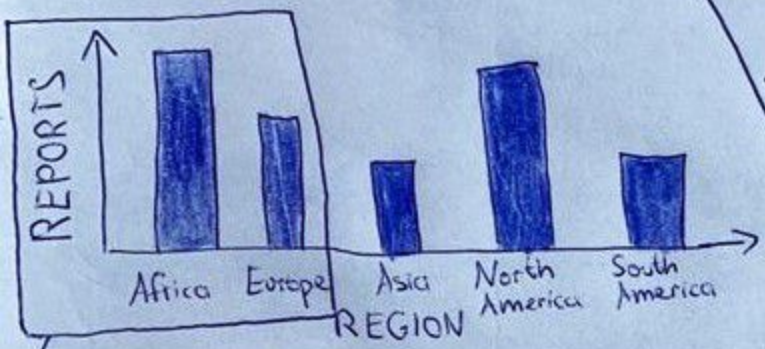
③ + ⑧ create line graph with life status and number of reports

Questions

- How many cheetahs were trafficked?
- In which circumstances were illegal cheetahs discovered?
- How reliable are the sources reporting about illegal cheetahs?

LAYOUT

WORLD MAP

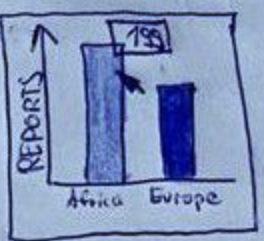


zoom in and out

Focus

Route Map

- displaying a route map of illegal cheetah trafficking



- displaying which region has the most reports/incidents

INFO

Title: Location
Author: 19003140g, 200030212
Date: 01.04.2021
Sheet Number: 2

OPERATION

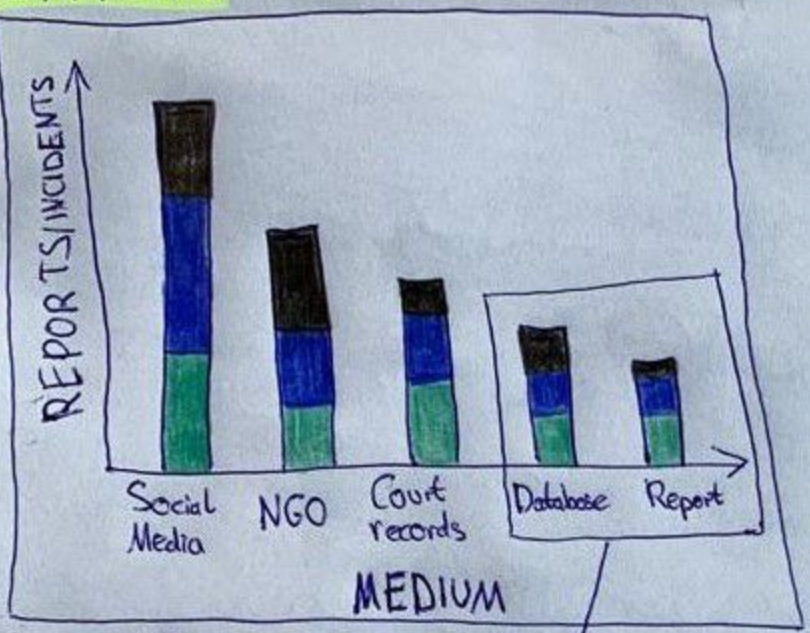
- click on countries to see the origin and destination of illegal cheetah trafficking
- hover the bars and get the number of reports/ incidents
- the map can be zoomed in and out to focus on a certain area
- obtaining illegal cheetah trafficking linked to geolocation

DISCUSSION

+ zoom provides flexibility towards the region
+ views can be combined with other views

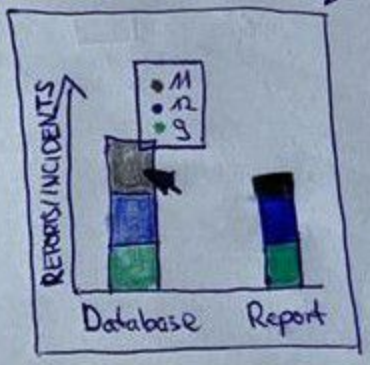
- countries might be the destination and origin of a cheetah for the same report/incident
- bars do not show the reports/incidents linked to countries

LAYOUT



Source Reliability
- type A
- type B
- type C

Focus



- displaying mediums and its corresponding source reliability

INFO

Title: Sources
Author: 19003140g, 20003021z
Date: 01.04.2021
Sheet Number: 3

OPERATION

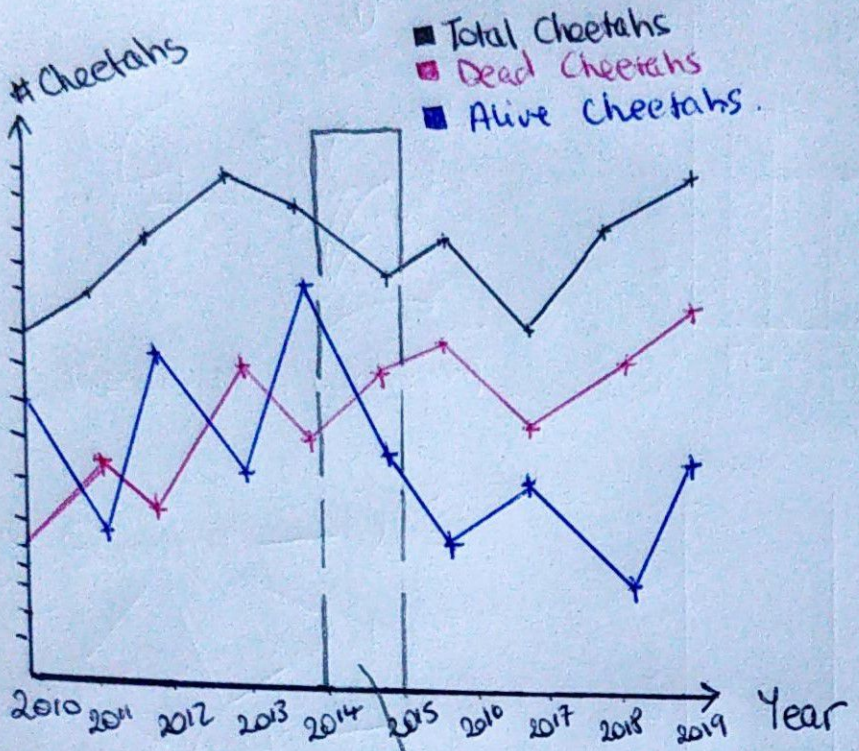
- hover the stacked bars and get the number of reports/incidents
- make the bars sortable in ascending or descending order
- obtaining information about the sources linked to illegal cheetah trafficking

DISCUSSION

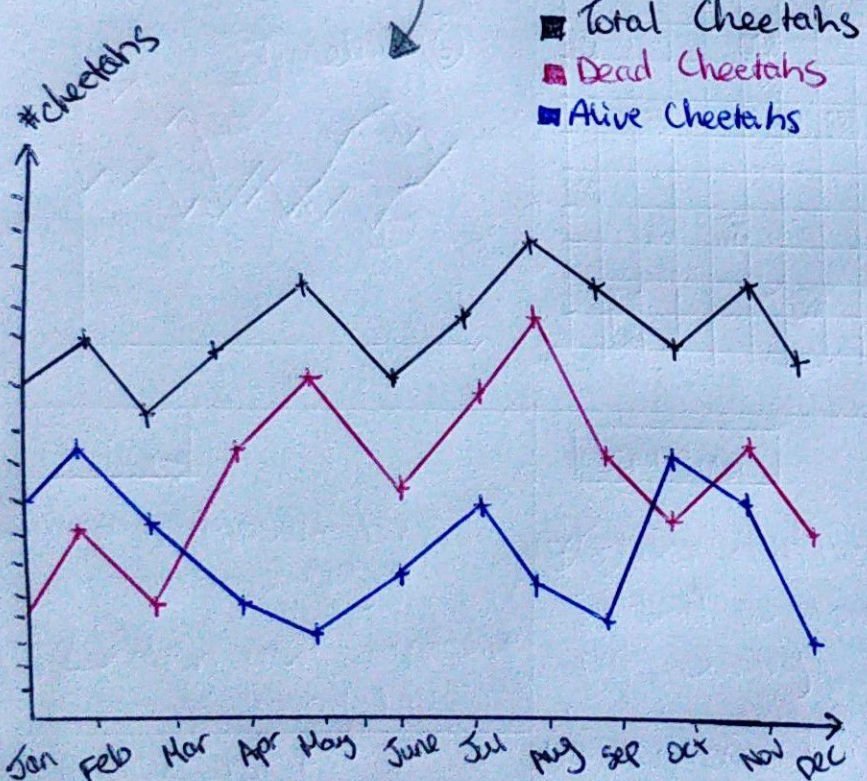
+ the total number of reports can be compared by mediums
+ the differences in source reliability can be compared between mediums
+ the stacked bar chart could be combined with information linked to location

- the classification of source reliability might not be reliable

LAYOUT



FOCUS



INFO

TITLE: CS5044 P2
AUTHORS: 200030212/190031409
DATE: 01/04/2021
SHEET: 4

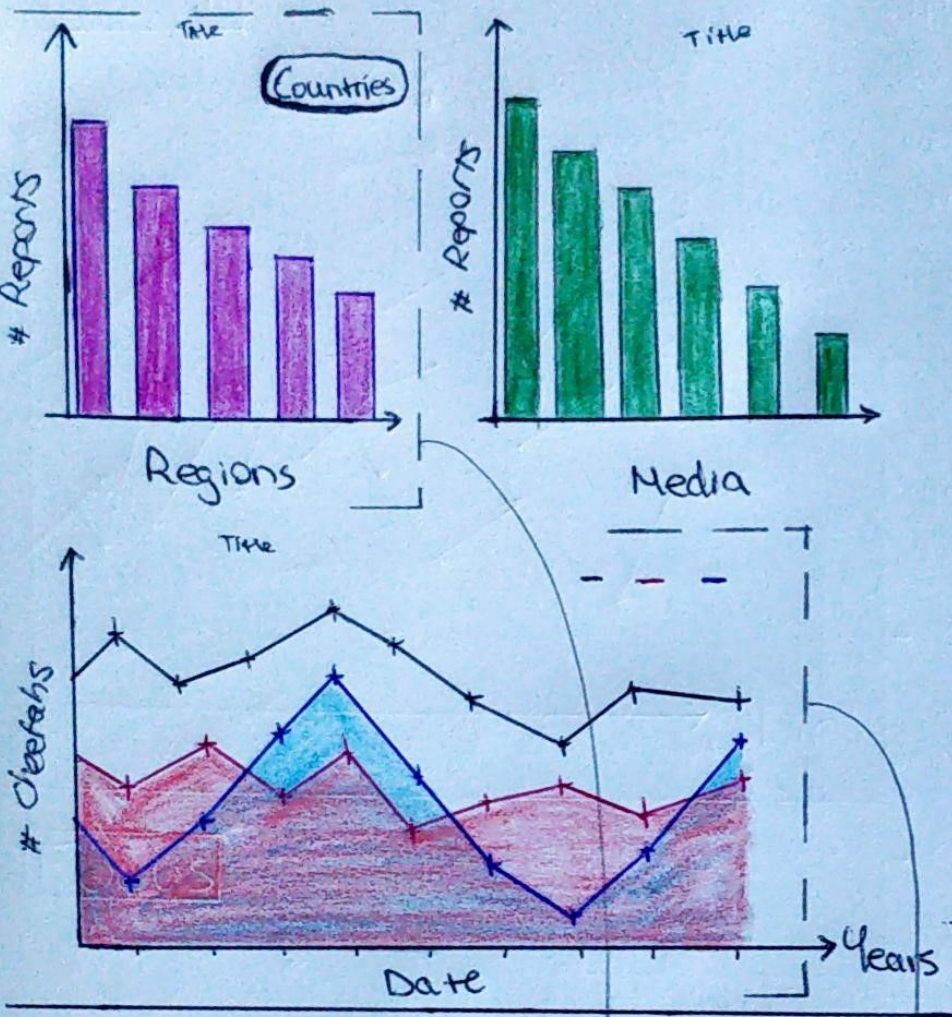
OPERATIONS

- Hover over Data Point to see exact amount of Cheetahs
- Click and drag over the graph to zoom into a period
- Click on legend to show or hide the line

DISCUSSION

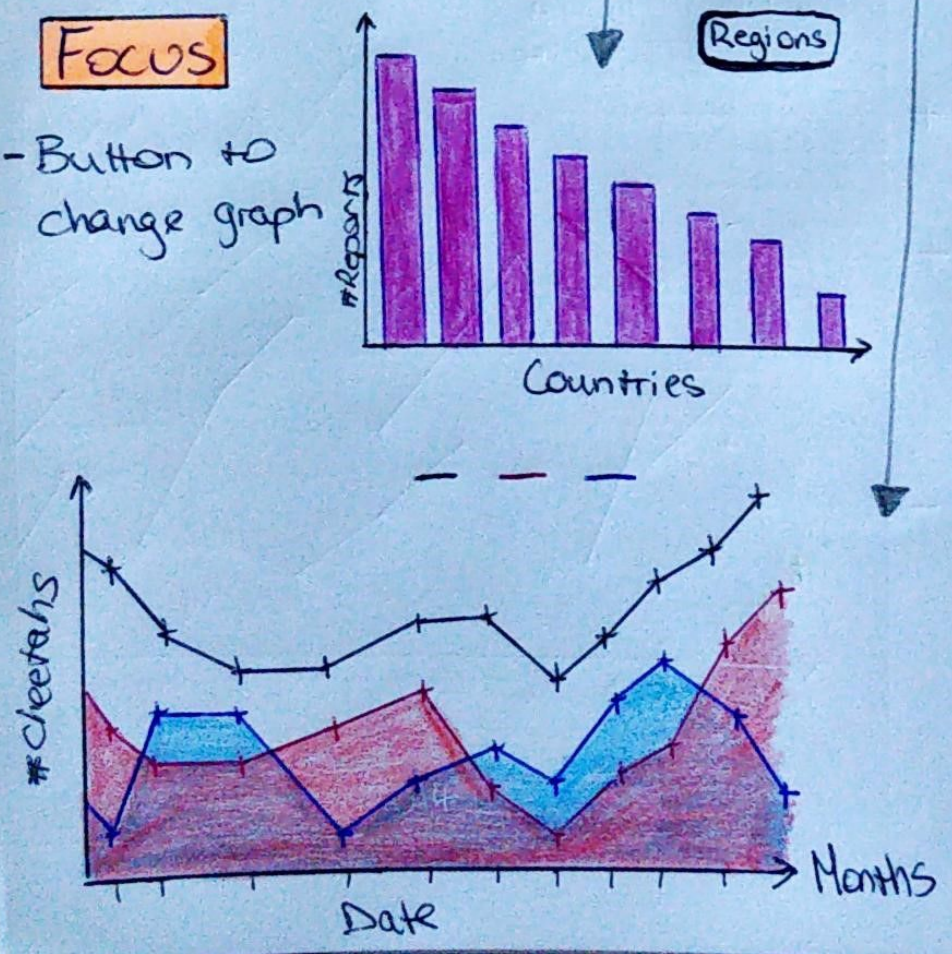
+ All data points can be plotted.
+ Zooming will help to see data more clearly & precisely
- Alive and dead lines might not be easily comparable when all dates points are clustered in the over view
  ↳ change to area chart to immediately see comparison

LAYOUT



FOCUS

- Button to change graph



INFO

Title: CSS044 P2

Authors: 20003021 2
19003140 9

Date: 01/04/2021

Sheet: 5

OPERATIONS

- Hover on bars and data points for exact values
- Click on 'Countries' button to see # of reports per country
- Click and drag on timeline to zoom into period
- Click on legend to show/hide line/area

DETAILS

- Dependency: D3 v5
- Describing reports, locations & cheetah nubers
- 'Countries' bar chart can be presented circularly if there are too many countries
- Nesting must be done to find summary values.