Presentation and Visulization - Quizes - Answers

1st Quiz - Perception Questionnaire

- Do we have more cones (light) or rods (dwe)?
- Choose the color with a greater visible spectrum
  Green, Yellow
- What is the more common color blindness?
  Red - Green blindness
- What is the more accurately perceived color dimensions?
  Luminosity
- Preattentive properties are not affected by distractors.
  True
- Preattentive properties are perceived in less than 200 miliseconds. True
- Pair the meaning with the correct encoding:

• vertical position, higher	bigger
• vertical position, lower	smaller
• hue saturation, low saturated	smaller
• light, darker	bigger
• hue saturation, saturated	bigger
• light, lighter	smaller

- Pair each preattentive properly with it's type:

• Hue	Color	• Shape	Form
• Blur	Form	• Lenght	Form
• Size	Form	• Motion	Motion
• 2-D Position	Position	• Spatial Grouping	Position
• Intensity	Color		

- Choose the properties that help to represent Visual Salien
  Distinct from the norm, Enclosure, Added mark

2nd Quiz - Detect bad practices (Visual / Comments)

3rd Quiz - Interaction Questionnaire

- When detailed information appears on hovering on a chart element... which interaction have we triggered!
  Details on demand
- When the data space is very big and nevertheless we want to show it... what interactions can we provide?
  Zoom, Bread
- Select two interaction techniques related to what to sho
  Layers, Filter
- I have to display a map of Europe with many details of the economy per country. But I want to give a general view first with a choropleth. Which kind of zoom should I use?
  Semantic Zoom
- Relate each type of chart with its type of interaction
  - Map Zoom
  - Sankey diagram Change position
  - Treemap Drill Down
- Which options can we give users to personalized the charts?
  Order, change style, change position, project
- Which interaction would you offer to your audience if you knew that they may have illumination promblems in their scree
  Change style

- What are the important elements in the layout
  - Visual hierarchy
  - consistent design
  - Layout corresponds to intention
- How will you include good images?
  - Get them from good image sources
  - high resolution
  - cropped to focus
  - not distorted
  - frame composition or 2 image
- How many different typography families will you include in a presentation?

  2
- Select a voice tool you can play with on a presentation delivery.

  Intonation
- Once you have finished preparing your presentation... what is the next step?
  - Simplify it
  - Rehearse

5th Quiz: Accessibility questionnaire

- All users will look at our visualization with our default configuration

  False
- Pair user profiles with assistive technology
  - Blind person: screen reader
  - Low vision: magnifier
  - Elderly: font size increase
  - Engine impairments: virtual keyboards
  - Color impairments
  - Dyslexia: Reading aid

- Accessibility visualization is
  - (nowadays) difficult to reach with many libraries
  - (nowadays) a special feature of very specific libraries
  - getting better in many libraries
- A strong motivation for doing accessible visualizations is
  Legal enforcement
- Making visualizations accessible benefits...
  People with disabilities
  People with learning disorders
  Elderly people
  Everyone
- What can you use as an accessible alternative to a chart?
  - A table with corresponding numerical values
  - A textual explanation of trends and main points
- Pair profiles with recommendations
  - Low vision -> controlled colors
  - Elderly -> Simple charts
  - Blind -> Keyboard navigation
  - Cognitive -> clear title
  - Engine -> Big clicking area
- Will you be able to contruct a 100% accessible chart?
  - I can create a very accessible chart, but I will not fulfill all the needs of 100% of all users

- Which are the seven principles of charitability?

  1. Sincerity 2. Voluntary Giving 3. Giving in Se
  4. Righteousness and Doing good 5. Giving what is
  6. Caring for the Needy 7. Giving Promptly

- Which profile targeted Alcoroz's heuristics

  Low vision