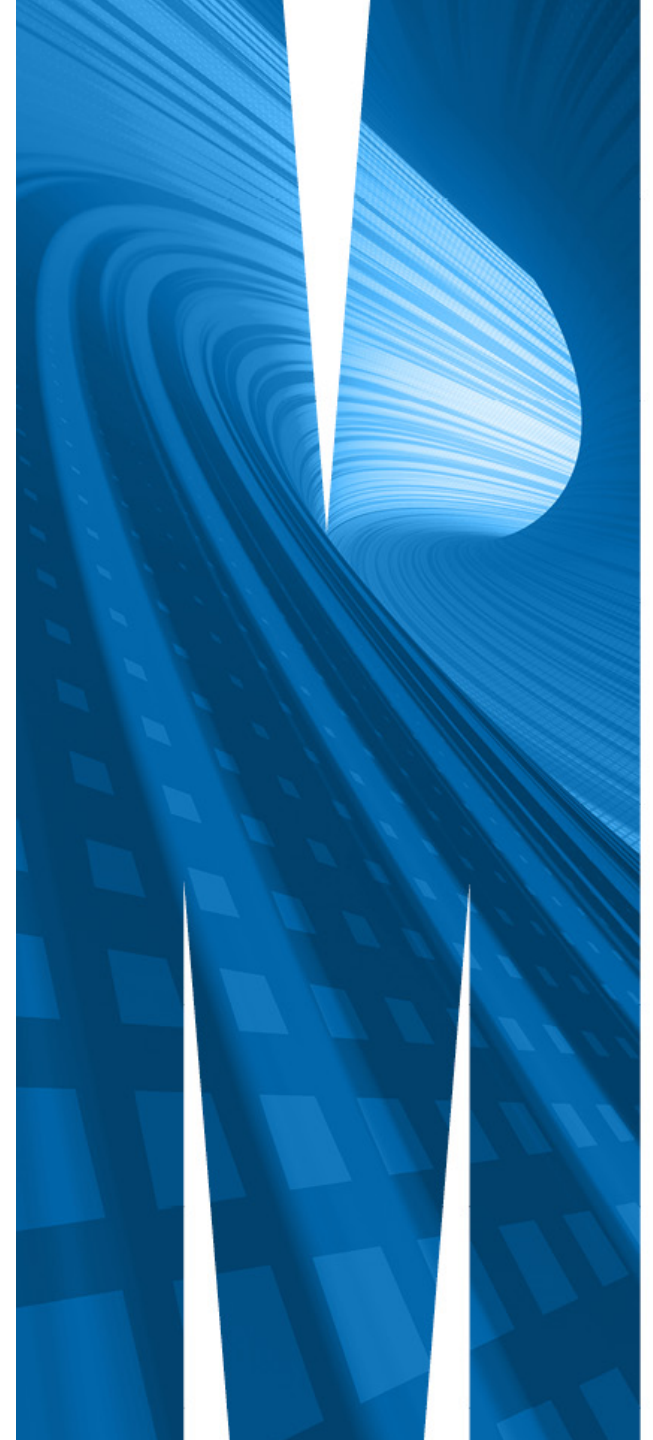


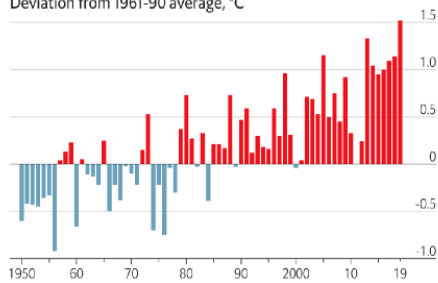
FIT3179 Data Visualisation

Week 04: Discussion of Colour, Layout, Typography, Visual Hierarchy



2019 was Australia's hottest year on record

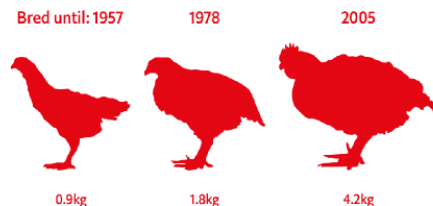
Australia, average surface-air temperature
Deviation from 1961-90 average, °C



The Economist

Chickens have grown as they move up the pecking order

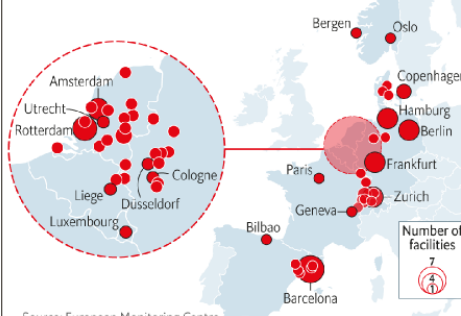
Broiler chickens, weight at 56 days old



The Economist

Safe-injection sites in Europe

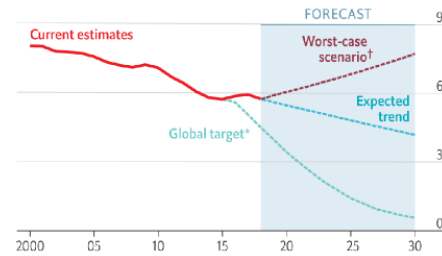
Drug-consumption facilities, 2018



The Economist

How the world is doing in the battle against Malaria

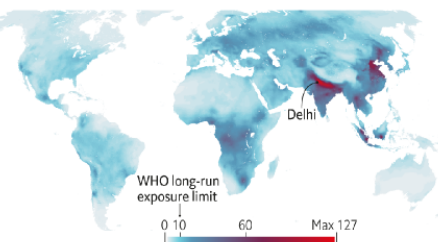
Malaria, cases as a % of population at risk



The Economist

Smog in Asia is much worse than anywhere else

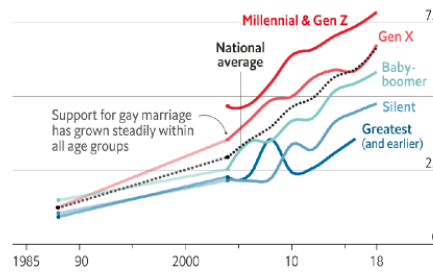
Air pollution, 2016 average
PM_{2.5} micrograms per cubic metre, excluding dust and sea salt



The Economist

Public opinion changes as younger generations replace older ones

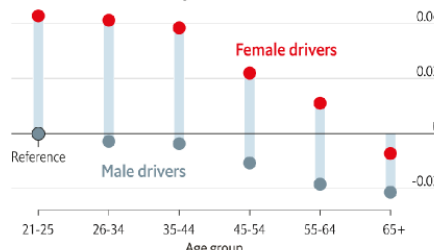
United States, % agreeing by generation
"Gay people should be allowed to get married"



The Economist

Female Uber drivers receive better tips than men

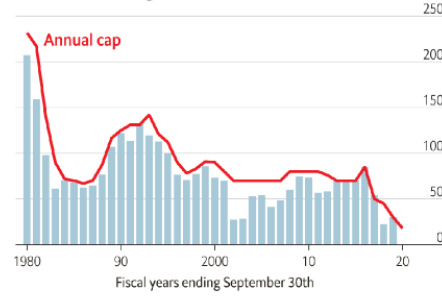
Expected tip by Uber driver's age and gender
Relative to male drivers aged 21-25, \$



The Economist

The days when America settled more refugees than anywhere else are over

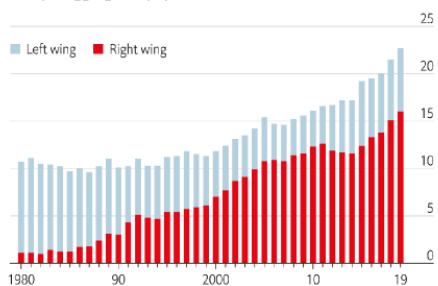
United States, refugee resettlement, '000



The Economist

How Europe's populists are changing

Europe, aggregated populist votes*, %



The Economist

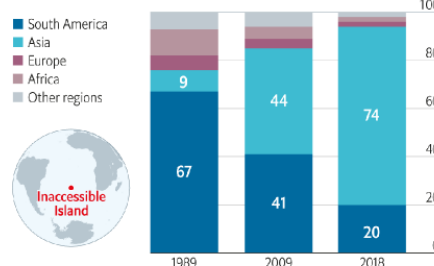
The world's second largest rainforest is shrinking fast



The Economist

Where do most of the plastic bottles in the ocean come from?

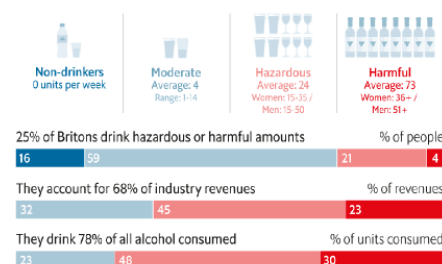
Origin of plastic bottles found on Inaccessible Island
% of total



The Economist

Alcohol firms depend financially on problem drinkers' dependency

Britain, alcohol consumption, 2013-14, units per week



The Economist

- Any question about the lecture notes and videos?
 1. Colour spaces, colour design for visualisation
 2. Visual hierarchy, figure ground
 3. Layout
 4. Typography
- Or the reading materials?
 1. Gestalt principles - Storytelling with data, p. 71–80
 2. 4 blog posts by Lisa Charlotte Rost

Studio

Week 4 Studio includes three activities:

- Week 3 forum posting discussion
- Part A: Tableau Activities: Multiple Data Sources
- Part B: Introduction to HTML, Github & Visual Studio Code



[Part A: Tableau Activities - Multiple Data Sources](#) 1.5MB Archive (ZIP)



[Part B: Introduction to HTML, Github & Visual Studio Code](#) 3MB Archive (ZIP)

- You should have received feedback for your forum posting of Week 2
- Feedback for posting of Week 3 in studio or on forum

Due: Sunday, 18 August 2024, 11:55 PM

Find a partitioned poster or another rather complex multi-component visualisation with an interesting layout and creative use of typography and colour. Analyse the following aspects in **not more than 200** words:

- Colour: How is colour used to show quantitative and qualitative information? What can be improved regarding the use of colour?
- Layout: Identify the sight lines used. Critique the layout (balance, visual centre, alignment, white space). What could be improved?
- Typography and label placement: What kind of typefaces are used? Suggest an alternative non-standard typeface for this visualisation. How are weight, size and other type characteristics changed to create visual hierarchy and highlight information? Can the placement of annotations be improved?

Marking: The four forum postings combined contribute 4% to the unit mark. The mark for this forum posting has four components, each is worth 0.25 marks: (1) selection of a complex visualisation with an interesting layout and creative use of typography; (2) correct colour analysis and suggestions for improvements, (3) correct layout analysis and suggestions for improvements, (4) correct typography and label placement analysis and suggestions for improvements.

- Apply layout, colour, typography
- Short report



[Homework Assessment Week 4: Visual Design](#)

Due: Friday, 16 August 2024, 11:55 PM

The homework instructions can be found in the assessment file.

Tableau Resources for Homework Week 4:

- [Basic dashboard functionality.](#)
- [Format text and numbers.](#)

Tableau Exercise

This exercise is not marked, but strongly recommended. Post your questions about this exercise on the Ed forum.



[Week 4 Tableau Exercise](#)

1.1 MB Archive (ZIP)