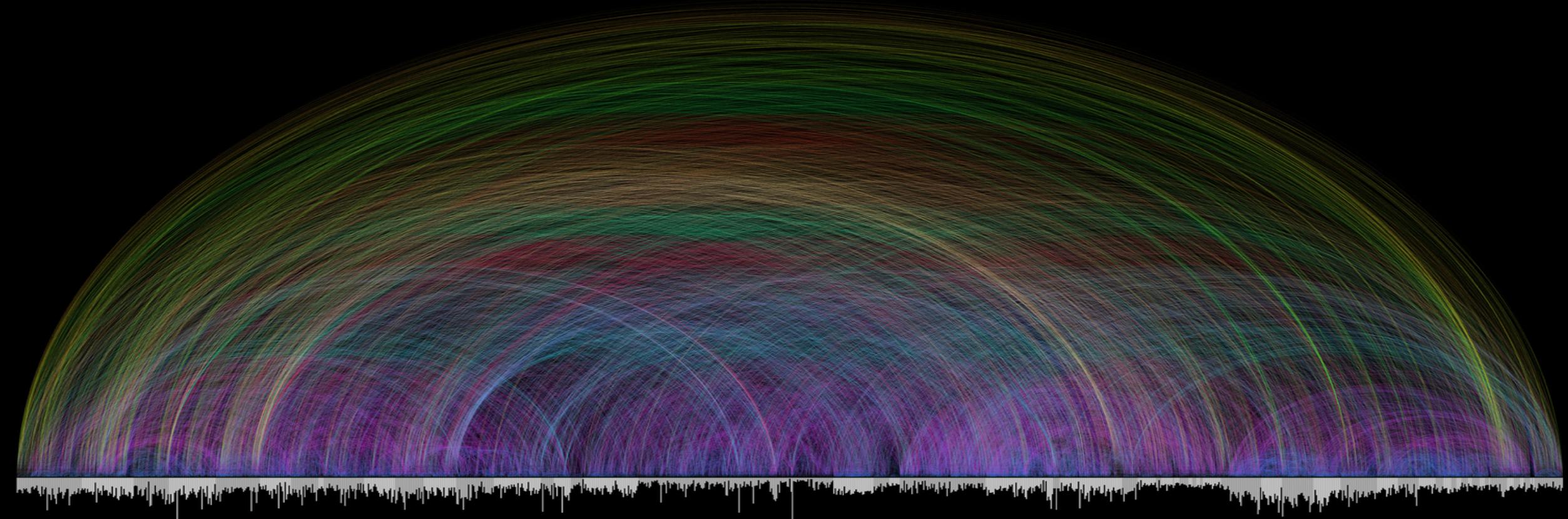


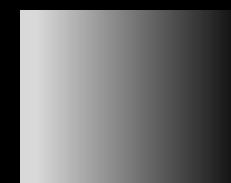


Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin



# ASSIGNMENT 3

Mid term written assignment



# OVERVIEW

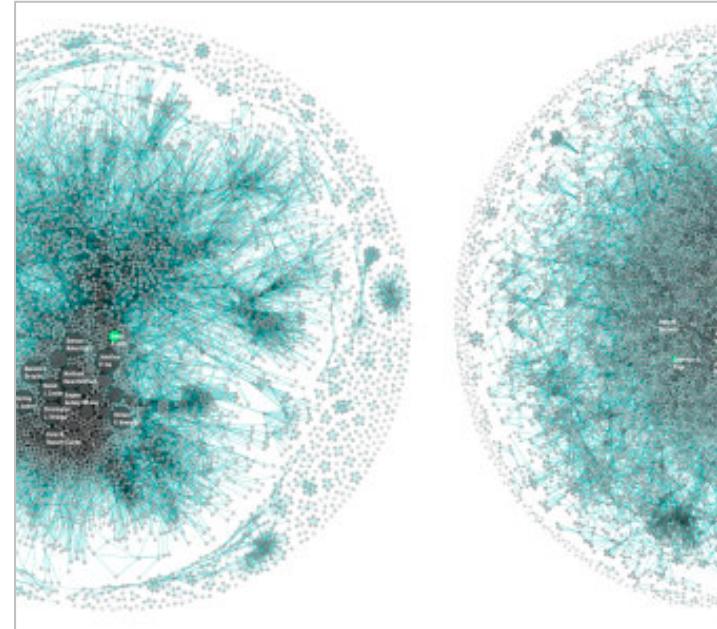
- **Deadline: 11<sup>th</sup> March, 2019 @ 23:59**
- **Worth 20% of the module.**
- Objectives: This midterm assignment could be considered an open-book exam done in your own time. Your answer should be in the form of a report, submitted as a single PDF file.
- This is an INDIVIDUAL project. You should not read each other's work before submission.
- You should cite any external sources of information/text/images/data.

# PART 1: VISUALIZATION ANALYSIS [15 MARKS]

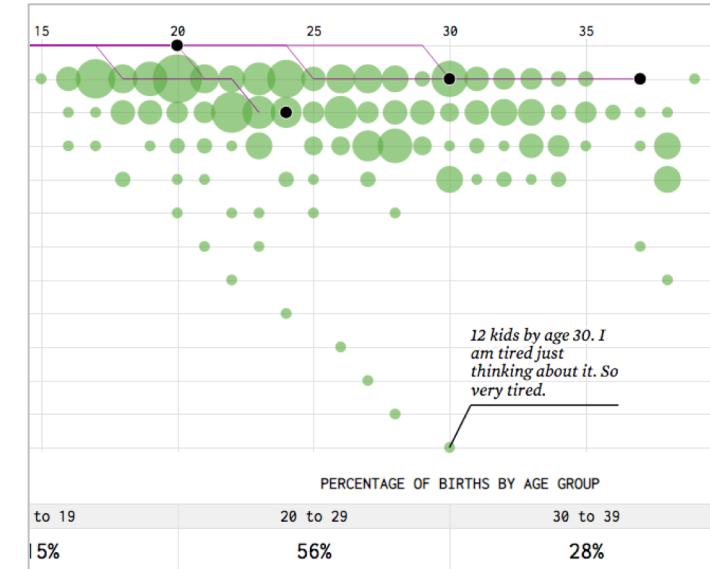
Discuss the following visualizations with regard to the concepts of data types, tasks and visual encoding channels as discussed in lectures and related readings. You are expected to write around 1 page about each (bullet point format is acceptable but not required). Each is worth equal marks.



Farr 1840 [<https://goo.gl/eN2TjS> ]



Wilson 2017 [<https://goo.gl/HviByg> ]



Yau 2019. [<https://goo.gl/zBokmX> ]

# PART 2: VISUALIZATION DESIGN [5 MARKS]

Choose an interesting dataset; links will be provided on the blackboard for some suggested datasets and resources for finding interesting datasets; but you are encouraged to go out and find your own sources. Then...

- a) Outline what are the main data and dataset types comprised in the dataset
- b) Outline one or more visualization tasks that might be relevant for this data set
- c) Outline what encoding channels you might use

You are expected to write about 1 page.

**PLEASE NOTE:** You are NOT being asked to IMPLEMENT this visualization. However you are permitted [i.e. it is optional] to use this dataset for the next assignment after this (i.e. Assignment 4) so you MAY want to choose this carefully to optimize use of your time. Some advance notice of some criteria for the next assignment (AS4) is provided here:

- ☒ novel visualization design (the data has never been visualized with respect to this task OR has never been visualized in this way);
- ☒ complexity of data or task (for good marks I'd be looking for something at least as complex as the MINARD Dataset; some visualizations of simple data are complex because of the task and vice versa).