Title this and that

Process Book

Alex Mocanu, Manana Lortkipanidze

Data Visualization, EPFL 2018

Contents

[Introduction 3](#_Toc532977794)

[Overview 3](#_Toc532977795)

[Motivation 4](#_Toc532977796)

[Target Audience 4](#_Toc532977797)

[Inspiration 4](#_Toc532977798)

[Concept 5](#_Toc532977799)

# 

# Introduction

This process book serves as a description of our project for data visualization (COM-480) class at EPFL, Fall 2018. The aim of the class was to introduce us to various informative/powerful/state of the art data visualization techniques and methods, while emphasizing not just on technical details or information they convey, but also on esthetic, artsy side of visualization. Data Analysis heavily relies on data visualization and material learnt is crucial for anyone interested in the field.

This process book explains reasoning behind every analysis or design step of our project starting from the initial abstract idea, drafts and sketches all the way to the final product. This process book guides its readers through our thought process from the day first, providing along insights into design choices we made, explaining functionality of visualization, providing details of its implementation and presenting usage scenarios. Nevertheless, discussing possible impacts and future improvements as well as concrete use-case scenarios of our visualizations. Finally, Technical details will be provided for people interested in further developing/reusing our work.

## Overview

Wikipedia, supported and owned by Wikimedia foundation (non-profit organization), is not only the most widely used online encyclopedia, it is also considered as one of the most visited/popular websites in the world. Wikimedia foundation operates through donations received by people willing to support them, meaning that Wikipedia is free of charge.

Wikipedia was launched on January 15, 2001, by Jimmy Wales and Larry Sanger. It was and is on a model of openly editable and viewable content

Us and our generation probably remember times, when one had to scroll through hundreds of pages of heavy books, just to find definition/information regarding one of the aspects of interest. Wikipedia makes everyone’s life easier while being completely free. In our opinion this deserves appreciation.

## Motivation

Our motivation was to study human behaviour based on Wikipedia data set. As already mentioned above, Wikipedia is a free and openly editable Encyclopaedia. It is created by volunteers and is one of the most popular websites. Therefore, political news, climatic changes, new trends, technologies, movies and basically all-important life events impact its content, edit requests, visitor counts and frequencies. We think it would be interesting to have an insight into human mindset and behaviour patterns trough Wikipedia data.

Visualization tries to answer question: can we identify major events based just on sudden peaks in number of visitors for a specific page? Which pages get affected for specific category of event? How does increase in visitors on pages affect visitor count of its hyperlinked pages? More specifically, how far does the interest spread in terms of related pages? How long does the interest last depending on type of events?

Furthermore, we could separately study categories and their ranking. Specifically, we are mainly interested in studying structure of pages and identifying the most popular ones. We will pose the following questions: Which pages are the most controversial?

## Target Audience

Our target audience is anyone interested in human mindset and reflection of real-life events and trends on human behavior regarding Wikipedia.

## Inspiration

# Concept

Dataset

Designs

Initial Idea

Implementation Model

Technical details

Implementation

Technical details