SIW005 - Computer Graphics & Visualisation (2019/2020)

- 🌐 [GRADES](#)
- 💬 [News](#)
- 📄 [Assessment Explained](#)
- 📄 [Temporal Planification](#)
- 📕 [SIW005 Presentation](#)

DELIVERABLES

DELIVERABLE Viz

- 📄 [Guidelines & Rules](#)
- 📄 [Visual Presentation](#)

DELIVERABLE Tableau

- 📄 [Data Viz. with Tableau](#)

DELIVERABLE LEAFLET

- 📄 [Leaflet Heatmap of Flights](#)

📄 (Optional) Leaflet Map using Realtime with OpenSky API

🌐 Convert JSON to GeoJSON in realtime plugin

DELIVERABLE D3 - Introduction

📄 (Optional) Exercise 3

DELIVERABLE D3 - Advanced

📄 D3 - Weather Radial

🌐 Example to Start URL

📑 start code

Part 1 - Visual Presentations

Introduction,Typograhpy,,Colors, Images, Data Viz.

📕 EffectiveVisualPresentations

📄 Activity

🌐 Shared Document Slideshare

Books

🌐 Slideology

🌐 Zen Presentation

Images (free from copyright)

🌐 http://stocksnap.io

🌐 http://unsplash.com

 Create Charts. Infogram

Part 2 - Data Visualisation with Tableau

 Kaggle DataSets

 FIFA World Cup Results

 results with id

Part 3 - Visualization Libraries - Google Charts & GeoChart

Google Charts

 Google Charts

 Google Developers - Google Charts Gallery

 Pie Chart Documentation

 Code

 Interactivity

 hello.html

 Exercise

 ExerciseFIFA

GeoChart

 GeoChart

 Basic Exercise - GeoChart

[Code - Final](#)

[Exercise FIFA World Cup](#)

Part 3 - Visualization Libraries - Google Maps

Google Maps

[Google Maps. Basics Controls and Raster Layers](#)

Basics, Controls and Raster Layers

[Source Code](#)

[Teaching Code](#)

[Google Maps JavaScript API v3](#)

[Geolocation API Specification](#)

[MapOptions](#)

[Basic Map Types](#)

[5 Min Exercise](#)

[**Start** Styling your Map](#)

[Map Coverage](#)

[Transit Coverage](#)

[Traffic Layer](#)

[Exercise](#)

[tests](#)

Vector Layers

Part 3 - Leaflet

Leaflet

Leaflet Website

Teaching Code 💬

💬 Tile Providers

Teaching Code Mobile 💬

💬 Teaching Code Clustering

Exercises 💬

Get variables from Javascript 💬

💬 leaflet-source-code-demos

Esri-Leaflet

Esri - Leaflet Bridge 💬

💬 Exercise

D3 - Mapping

D3.Mapping

GeoJSON

GeoJSON Specification

GeoJSON Validation

GeoJSON Viewer

us-states

Paths

[Paths Explained](#)

[PathsExample.html](#)

Projections

[D3 Projections](#)

[D3 Projections Extended](#)

[D3 Example Europe Projection](#)

[Exercise](#)

http://pixel.uji.es/teaching/europe.json.php

Cloropleths

[start choropleth.html](#)

[Teaching Code](#)

[csv productivity 2004 states](#)

D3 - Introduction

[D3 Website](#)

[SVG Format Description](#)

[D3 Tutorials](#)

Introduction

[D3.Fundamentals](#)

[Code-HelloWorld](#)

📄 Code-BindData

📄 Exercise

A Simple Example

📑 A Simple Example D3v4

🌐 Scale, Range and Domain Explained

Updates & Transitions

📄 Teaching Code

📑 vertical bar chart **start**.html

📑 vertical bar chart final D3v3

📄 Exercises

Chart JS

📑 00-**Start**

📗 ChartJS CDNs

📄 Teaching Code

Exercises

📄 Bar Chart

📄 Pie Chart

📄 Radar Chart

📄 Polar Chart

- Doughnut Chart
- Horizontal bar chart
- Grouped bar chart
- Mixed Chart
- From Tableau to Chart.js