CGT 270 Data Visualization Fall 2021

Module II

Week 5

**Lab 5: Critique & Refine**

Part I: Critique

1. Self-assessment of the two visualizations you created in the Filter & Represent Lab (Week 4); saved in PDF format
   1. LastnameFirstInitial\_Fig1SelfAssessmentScore.pdf
   2. LastnameFirstInitial\_Fig2SelfAssessmentScore.pdf

Part II: Refine

Make sure you use data visualization best practices (See Data Visualization Check list).

**Figure 1**

**图形用户界面, 应用程序

描述已自动生成**

**Original Chart type**: *Bullet Graph*

**Refined Chart type**: *Bullet Graph*

**How to read it and what to look for (Refined Chart type)**: *A bullet graph, shaped like a bar graph but composed of extra elements (in this case, HIV cases with TB incidences). See the bar first to get the first idea, then look for the comparative measure (target marker) to analyze the relationship between bars and markers. Find the significant row with the biggest ratio (marker located at the far right, in this case, AFR region).*

**Figure Caption**: Sum of *TB (and HIV) detection rates in all regions, with highest HIV-TB detection ratio region highlighted (blue bars: TB incidences, red lines: TB cases with HIV-positive).*

**Figure 2**

**地图

描述已自动生成**

**Original Chart type**: *Symbol Map*

**Refined Chart type**: *Symbol Map*

**How to read it and what to look for (Refined Chart type)**: *A symbol map, consider both color and circle size, find the biggest size and the color that stands out the most. Also, look for certain regions in the world that consists of most of the small (or big) circles and most of the highlighted colors.*

**Figure Caption**: *Estimated mortality of TB (size) and TB with HIV-positive (color) in all countries in year 2013.*