**Lab 8**

**Publishing Work – Editing PDF Files in Adobe Illustrator**

In this lab, you will learn several methods for publishing your work.

Tableau Public – Store visualizations online to easily share to a broader audience

Adobe Illustrator – Prepare a graph for print or online publication

**Video**

**Sharing visualizations on Tableau Public:**

<http://www.tableausoftware.com/learn/tutorials/on-demand/sharing>

**Introduction to Adobe Illustrator**

<https://helpx.adobe.com/illustrator/tutorials.html>

**Practice**

* Connect to Tableau Public
  + Create account - https://public.tableau.com/s/
  + Upload the story you created for Lab 7 (see video for assistance).
* Create the following plot in Tableau:
  + **Create a scatterplot of Human Development vs GDP in 2010 by state.**
    - Make the size of the marks proportional to total population in 2010.
    - Save the plot as a PDF.
* Open the PDF file in Adobe Illustrator:
  + Move the legend into the body of the plot.
  + Remove the footnote below the graph.
  + Change the color of the marks to use a color from the “Set 1” qualitative pallet of the CIElab (Color Brewer) color scale discussed in class. <http://colorbrewer2.org/>
  + Change the fonts of the axis titles to “Times New Roman” (Easiest way is to remove the axis titles, and add new ones using the text tool).
  + Add an annotation about the relationship between the two variables using the text tool.
  + Save the edited plot as a PDF.

**Assignment**

**Due Date: March 9, 2018, 6:00 pm. Value: 10 points**

* Connect to Tableau Public and upload the assignment (5-point story) from Lab 7 (save the link and paste it into the comment box when turning in the assignment on Canvas).

(4 pts.)

* Create the following plot in Tableau:
  + **Create a scatterplot of Human Development vs GDP per capita in 2010 by state.**
    - Make the size of the marks proportional to total GDP in 2010.
    - Save the plot as a PDF.
* Open the PDF file in Adobe Illustrator:
  + Move the legend into the body of the plot.
  + Remove the footnote below the graph.
  + Change the color of the marks to use a color from the “Set 3” qualitative pallet of the CIElab (Color Brewer) color scale discussed in class.
  + Change the fonts of the axis titles to “Times New Roman”.
  + Add an annotation about the relationship between the two variables.
  + Save the edited plot as a PDF.

(6 pts.)