Final Project Criteria

1. Create Data Model (10 points)
   a. Gather 5 years or seasons of data for a given sports league/organization.
      i. Needs at least 10 measures across all five years.
   b. Clean and combine data with any combination of SQL, Excel and/or Power Query Editor.
   c. Write at least two custom measures with DAX.
   d. Create at least one Field Parameter that includes three or more values for use as a slicer.
2. Prepare Report Layout in Power BI desktop. (5 points)
   a. Choose a Power BI Theme (other than the default).
   b. Create a custom Title Block to use across all reporting pages/tabs.
   c. Use at least two shapes in background.
   d. Create and include a custom image or logo for your organization.
      i. Include your name or initials in design.
      ii. Can use external image, PBI shape, or whatever design elements you choose.
   e. Establish page layout for report pages that is consistent throughout the report (apart from the information page).
3. Pages/Tabs (20 points)
   a. Informational Page (5/20 points)
      i. Title of the Report
      ii. Your name and logo.
      iii. Include a synopsis of what this report is.
      iv. Where did the data come from?
      v. What method did you use to create your data model?
      vi. Table of contents with bookmark links to each report tab.
   b. Three Report Pages (15/20 points)
      i. KPI Page
         1. One or two major factors that have meaning in your report.
         2. Two or more slicers along the top (below the page title) or left-hand margin of the report space.
         3. Button back to Informational Page bookmark.
      ii. Report Page 2
         1. Two or three visuals that relate to one another.
         2. Two or more slicers.
         3. Text boxes to explain visuals if necessary.
         4. Button back to Informational Page bookmark.
      iii. Report Page 3
         1. Two or three visuals that relate to one another.
         2. Two or more slicers.
         3. Text boxes to explain visuals if necessary.
         4. Button back to Informational Page bookmark.
4. Hidden Standards Page (5 points)

        a. Page is hidden and does not show in published version of the report.

        b. Supply details for the following as used in your project.

            i. Theme

                1. Name

                2. Any variations you made to the theme (i.e., I changed the color for this value on this visual.)

            ii. Fonts

                1. Font names used and size for each category.

                      a. Page Title

                      b. Visual Title

                      c. Visual Labels

                      d. Notes

            iii. Report Space Dimensions for each page

                1. This is the space you leave to create your visuals on each page.

                2. Starting and ending pixel location for both the horizontal and vertical axis. Use the information in the Properties from the Format pane to get exact information.

                      a. X1, X2

                      b. Y1, Y2

                3. Pixels between visuals

            iv. Any Style items of note (shadowing, borders, etc.).

5. Presentation (5 points)

        a. Short oral presentation (5-7 minutes) of report to class.

        b. Let us know who the intended audience is for the report.

        c. Demonstrate the following topics.

            i. KPIs

            ii. Field Parameter(s)

                1. Why did you choose these measures to toggle between?

            iii. Statistics of note.

                1. Why are they important?

                2. Which ones did you create with Dax?

        d. Walk the class through the report.

6. Publish to PBI service and Submit Report (5 points)

        a. Save the file as 'Final PBI Project – *your initials*.pbix'

        b. Publish to your My Workspace.

        c. Take a screenshot of the report in PBI service.

        d. Submit .pbix file and screenshot to Canvas.

        e. The day of your presentation you will publish to the STA 3375 team so everyone can view the report.