Intro To Computers
Excel #17 – Basketball

Objective: Create a detailed graphical report and analysis of a college basketball game for the media, coaches, and interested fans.

1. In your *Intro to Computers* folder, create a folder titled *first_last_excel_17* using your first and last name.

2. Download the *excel_17.zip* file from *http://www.missblomeyer.com*. Copy *Basktball.xlsx* and put it in your *first_last_excel_17* folder. Delete *excel_17.zip*.

3. Open *Basktball.xlsx* and make the following changes:

    a. The Game Report worksheet contains some basic information about a recent basketball game. You are to supplement this information with charts and graphs. The final format of the sheet is up to you.

    b. The Game Log worksheet contains the minute-by-minute score of the game. Use the data in this worksheet to create a line chart describing the ebb and flow of the game. This line chart should be embedded in the Game Report worksheet. The chart must include titles for the **chart** and the **axes**, a **chart legend overlay**, **vertical gridlines** spaced at 4-minute intervals, and **horizontal gridlines** at 5-point intervals. Make sure that the size of your chart and axes titles are appropriate. (Hint: to get the 4-minute interval spacing, you should not include the *Half* column when selecting your data source.)

    c. The Box Score worksheet contains statistical summaries of the game. Use the data in this worksheet to create two column charts describing the points scored by each player on the two teams. Create one chart per team. Embed these 2 charts in the Game Report worksheet. The maximum point value on the vertical axis should be 25 for both teams. The charts must include **titles** for the **chart** and **axes** with no legend. Make sure that the size of your chart and axes titles are appropriate. The fill colors for the columns must be one of the preset color gradients. There should be a series gap width of 50%.

    d. The Box Score worksheet also contains team statistics. Use this data to create 3 pie charts that compare the two teams. The pie charts should be embedded in the Game Report worksheet. The pie charts should include a **chart title**, a **legend**, and **data labels** for the pie slices. The slice colors should match the team's colors (red for Wisconsin and gold for Iowa).

    e. Select the Game Report sheet, save Basketball.xlsx and exit out of Excel.

4. Zip your *first_last_excel_17* folder. Turn in your *first_last_excel_17.zip* file.