**Blessing Adeyemi**

**Answers to Bi-weekly Assessment**

**Pivot table for U.S. Voters case study**

1. How many states had a **Voter Population %** below 55%? **Ans.: 5 states**

Which states? **Ans.: West Virginia, Oklahoma, Texas, Hawaii, Arkansas**

1. How many confirmed voters in CA were over 65 years old in 2012? **Ans.: 2,902,000**

What percentage does that represent out of the total confirmed voters in CA? **Ans.: 21.56%**

What percentage out of the confirmed voters in the entire country? **Ans.: 9.79%**

1. Show both**Citizen Population** and **Confirmed Voters** by Age, as **% of Column Total**. What percentages of the citizen population do 45- to 64-year-old represent? **Ans.: 35.63%**

What percentage of the confirmed voter population? **Ans.: 39.12%**

1. As a politician seeking to improve voter turnout rates among young adults (18-24), which states would you target first? **Ans.: West Virginia**

**Pivot table for the San Francisco Salaries case study**

1. **Filter** and **sort** the Pivot to show the 5 employees who earned the highest Base Pay in 2011. Who were they? **Ans.: John J Loftus, Naomi M Kelly, Barbara A Garcia, George Gascon, and Kenneth A Lombardi**
2. Among employees with >=$100k Base Pay in 2012, Did any employee earn more than 50% of their salary from Other Pay? If so, who? **Ans.: Anna L Cuthbertson, James Bosch, Frank E Lee, and Garrett Dowd, all earned more than 50% of their Base Pay**
3. Clear all filters and pull in **Job Category** and **Job Title** as row labels (Titles sorted alphabetically), then **group** any titles including the word "*Curator*" into a new category called "**Curator**". How many employees held some sort of Curator position in either 2012 or 2013? **Ans.: 9 employees**

Among those, who earned the highest average base pay? **Ans.: Dennis G Sharp**

**Pivot table for the Shark Attack case study**

1. Show the **count** of attacks by country -- which 3 countries had the highest number of reported attacks over the past 5 years (2012-2016)? **Ans.: USA(313), Australia(128), and South Africa(30)**

During this period, what % of reported attacks occurred in Spain? **Ans.: Spain reported 1.49% of attacks within 2012-216**

1. Drag the "**Area**" field to the PivotTable row labels, change the **Report Layout** to Outline, and **filter** to show the top 5 areas by count of Case Number, by country. Where in South Africa were shark attacks most frequently reported over the past 5 years? **Ans.: Western Cape Province**
2. Replace "**Area**" with "**Type**" and show the Count of Case Number values as **% of Parent Total** for each country. What % of attacks in New Zealand were unprovoked? **Ans.: 57.29% were unprovoked in New Zealand.**

How many cases? **Ans.: 4 Cases and 1 invalid**

**Pivot table for the Stock Market case study**

1. Create a **calculated field** named "**Daily Spread**" (*High - Low*), formatted as currency with two decimal places. On which date in the sample did Amazon (AMZN) see the largest price spread? (***note:****you may have to remove the Daily Change field*) **Ans.: AMZN largest price spread was on 23/10/2009 with 9.03 daily spread**
2. Sort dates oldest to newest, and**conditionally format** the Daily Spread field as a **Color Scale**, from white (lower values) to green (higher values). Since a large price spread isn't necessarily good or bad, edit the color scale to show shades from white to blue (instead of green).