

A. Getting Started

- Launch the **ArcView** program (click OK at warning screen)
- Create a new View (Click on the New button in the Project window)
- Add Virginia Data (View: Add Theme... or click on the plus button in the button bar)
 - Navigate to the Shared documents folder and open the ArcView_New folder.
 - In the ArcView_New folder open the folder named Virginia Data
 - click **Add All** in the lower right corner of the window

B. Learning to Use ArcView***Making Themes Active***

- Turn on all of the themes in View 1 (this is done by clicking on the box next to each theme name. The theme is turned on when there is a check in that box)
- Activate the *Vacounty.shp* theme (a theme is active when it appears to be raised and stands out from the other themes)

Arranging Themes

- Move the *Vacounty.shp* theme to the bottom of the screen. (click and drag the theme to the bottom of the list.
- Do the same for *Virginia.shp* as you did for *Vacounty.shp*

Changing the Colors

- These colors may not look very good together. This is because when you import the themes ArcView randomly picks a color for each theme. Let's change them.
- Activate *Vacities.shp*
- Double click on the words *Vacities.shp* (a window titled Legend Editor should appear)
 - Now double click on the actual symbol that is located under the word symbol (another window titled Marker Pale will appear)
 - Under the words Marker Pale there are several choices. The seconds from the right is where you can choose a color.
 - Pick a color for the Virginia cities.
 - Before ArcView will change the color to the one you picked, you have to click on apply.
 - Change the colors for the other themes to make the view look pleasing.
 - When done, you can close these two windows.

C. Exploring ArcView

1. Why did we have to move *Vacounty.shp* to the bottom of the list? (if you are not sure, move it back to the top of the list to experiment, then back down to the bottom)

2. How many counties (and city units) are in Virginia (hint: double click on *Vacounty.shp* , click on *Statistics* and pull down)?

3. Click on Table - Add. Add the *Vacities* database. Use the *Vacities.dbf* database to find:
 - _____ the town or city with the lowest number of widowed people
 - _____ how many widowed people do they have?
 - _____ the city with the highest number of Ages 5 - 17
 - _____ how many people in that age range do they have?
 - _____ how many people in Harrisonburg are Ages 5 - 17 ?
4. Look at these two themes: *Vacities* and *Vaplaces* (Click on View 1, and drag them to the top of your theme menu)
 - _____ Which of these themes has a greater number of items in it?
 - _____ Why do you think it has more?
5. What is the official elevation of Harrisonburg? (hint: click on Harrisonburg from the theme menu and choose Statistics) _____
6. What other method can you use to find this information?
 - _____
7. Look at the VaCounty Table. Sort ascending or descending to find:
 - _____ the largest county (by Area)
 - _____ How large is it?
 - _____ the second largest county (by Area)
 - _____ How large is it?
8. Select Rockingham County. Does it have more males or more females?
Calculate how many more: _____
9. Pick any county or city in Virginia :
 - _____ What county or city did you choose?
 - _____ What is the percentage of Males and the percentage of Females
10. Which 4 counties have the highest number of farms?
 - _____
 - _____
 - _____
 - _____
11. Find 4 counties that had the highest population in 1999.
 - _____
 - _____
 - _____
 - _____
12. Find 4 counties that had an increase in population from 1990 to 1999.
 - _____
 - _____
 - _____
 - _____
13. Now find 4 counties that had a decrease in population from 1990 to 1999.
 - _____
 - _____
 - _____
 - _____