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### Accessing ArcGIS at UConn via the vPC

<ul> <li>Access ArcGIS ArcMap from the UConn vPC at <a href="http://vpc.uconn.edu">http://vpc.uconn.edu</a> and click the Experience the new vPC icon to download the WMWare View client for a Windows or Mac computer.</li> <li>After installing the client, open the VMWare View client.</li> <li>Type view.vpc.uconn.edu into the Connection Server field if it is not already filled in.</li> <li>Leave box for Log in as current user UNCHECKED.</li> <li>Click Connect.</li> </ul>	Image: State of the state
<ul> <li>Enter your username and password. For most people, Username is your NetID, Password is your NetID Password, and Domain is UCONN.</li> <li>From the vPC click Start-&gt; All Programs, click the ArcGIS folder, and then select ArcMap.</li> </ul>	Wwware View Client         VMware View Client         VMware View Client         VMware View Client         VMware View Client         Import of the structure         VMware View Client         Import of the structure         Import of the s

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### **Downloading and Preparing Data**



### **Opening ArcGIS ArcMap and Adding Data**

- From the Start menu in vPC, select All Programs and then Select ArcGIS.
- From the ArcGIS folder open ArcMap.

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<ul> <li>Once ArcMap opens, select Blank Map and Click OK to begin</li> </ul>	Figure 7: Create a New Map
<ul> <li>In ArcMap, click the Add Data</li> </ul>	🔍 Untitled - ArcMap - ArcInfo
button from the monu bar along	File Edit View Bookmarks Insert Selection Geoprocessing
the ten of the program	ं 🗋 😁 🖬 🕼 % 🖹 🛍 🗙 । ५२ २९ (😎 🚽
the top of the program.	i •• • • • • • • • • • • • • • • • • •
	Table Of Contents # × Add Data
	Figure 8: Activate the Districting Toolbar
<ul> <li>From the Add Data window, click</li> </ul>	Add Data
the Connect to Folder icon (folder	Look in: 🙀 Home - Documents\ArcGIS 🔽 🏠 🏠 🛄 🔻 🔛 💭 🐝
with a plus sign) and select the p:\	Connect To Folder
	Name: Show of type: Datasets and Layers Cancel Figure 9: Add Data
• From the P:\ drive open the	Add Data
POLS_2998W_Fall_2012 folder,	Look in: 🔲 CT_Towns_2010.gdb 💽 🚖 🏠 🐻 🖬 🖌 😂 ビ 🗊 🚳
open the Data folder, and click on	IIIct_town_data
the CT Towns 2010.gdb files.	圈 ct_towns
• Select the ct town data and the	
ct towns files by clicking on one	
file, holding your shift key on the	
keyboard and then select the	
other file. Once you have colected	
both files click Add and then will	Name: Add
both mes click Add and then Will	Show of type: Datasets and Layers Cancel
be added to the map.	
	Figure 10: Add Shapefile and Data

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### **Joining Data in ArcGIS**

<ul> <li>To enable the data to be mapped for each town in Connecticut, we will need to Join the table of data to the shapefile (map).</li> <li>To Join data, right click on the ct_towns layer select Joins and Relates, and then select Join</li> </ul>	File       Edit       View       Bookmarks       Insert       Selection       Geoprocessing       Customize       Windows       Help         Image: Selection       Image:
<ul> <li>From the Join Data window, select GEOID_AFF2 for the first drop down window.</li> <li>Select ct_town_data for the table to join to the layer</li> <li>Select GEOID_AFF2 for the field in the table to base the join on</li> <li>Click OK</li> <li>If prompted to create an index, click No.</li> <li>Now your data is joined to the shapefile (map)!</li> </ul>	Join Data       ? ×         Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.         What do you want to join to this layer?         Join attributes from a table         Image: the layer is features using this data.         What do you want to join to this layer?         Join attributes from a table         Image: the layer is the layer i

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#### **Creating Maps in ArcGIS**



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### Using Districting Toolbar in ArcGIS ArcMap

<u> </u>	
<ul> <li>Activate the Districting Toolbar within ArcGIS ArcMap by clicking on the Customize menu (along the top menu bar) and select Extensions</li> </ul>	Unbited - ArcMap       ArcMap         File       Set         Set
<ul> <li>Verify that the Districting Extension is active (check box is clicked) and click Close</li> </ul>	Untitled - ArcMap - Archino         File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help         Image: Contents         Extensions         Image: Contents         Image: Contents
<ul> <li>To activate the Districting toolbar within ArcGIS ArcMap, from the Customize menu select Toolbars and the click Districting. The toolbar should now display within ArcGIS ArcMap.</li> </ul>	Unsteel - ArcMap - ArcInfo       ID Analyst         File       File

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#### **Developing a Districting Plan – Opening Files**

<ul> <li>From the Districting toolbar, select Districting -&gt; Districting Admin -&gt; and then Open Plan</li> </ul>	Untild - Archigo - Archigo         Image: State of the sector of the se
<ul> <li>From the Open Plan Window, click the folder icon to navigate to a plan workspace. For this plan, you will navigate to the p:\ drive to the POLS_2998W_Fall_2012 folder</li> </ul>	Image: Plan From Districting Footbar         Image: Plan Workspace:         Image: Plan Workspace:         Image: Select a plan to open:         Image: Select a plan to open:         Image: Plan Workspace:
<ul> <li>From the POLS_2998W_Fall_2012 folder, select plan_templates folder and select Plan_1(Plan Database) and click Add.</li> </ul>	Browse Plan Workspace         Look in:       plan_templates         Plan_1_dxm         Plan_2_dxm         Plan_3_dxm         Plan_1 (Plan Database)
<ul> <li>From the Open Plan window you will click OK to begin developing your districting plan.</li> </ul>	Open Plan       XI         Navigate to a plan workspace:       P:POLS_2998W_Fall_2012/POLS_2998W_Fall_2012/plan_templates/Plan_1.mdb         Select a plan to open:       Plan 1         OK       Cancel

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#### **Developing a Districting Plan – Statistics**



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### **Developing a Districting Plan – Assigning Districts**



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### **Creating your Final District Map**

<ul> <li>Open ArcGIS ArcMap as a new instance by going to the Start menu in vPC, select All Programs and then Select ArcGIS.</li> <li>From the ArcGIS folder open ArcMap.</li> <li>Once ArcMap opens, Select a Blank Map (if that's an option) or click Cancel to continue.</li> </ul>	Image: ArcGIS         Image: ArcGIS Administrator         Image: ArcGIS Administrator         Image: ArcGIS Administrator         Image: ArcGIS Administrator         Image: ArcGIS Desktop Help         Image: Desktop Tools         Python 2.6         Caminova         Image: CutePDF         Image: Back         Image: Start         Image: Sta
<ul> <li>In ArcMap, click the Add Data</li> </ul>	Cuntitled - ArcMap - ArcInfo
button from the menu bar along	File Edit View Bookmarks Insert Selection Geoprocessing
the top of the program.	
<ul> <li>Navigate to the shapefile vou</li> </ul>	: ••• ••• ••• ••• ••• ••• ••• ••• ••••••
created from the Districting	
Toolbar for your districts	Figure 35: Add Data in ArcMan
	now contract bata in memory

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<ul> <li>Right-click on your district shapefile, and select Properties. This will let you change the Symbology for the districts to allow for different colors than the default settings.</li> <li>You can also enable Labeling from the Labels tab.</li> <li>You may wish to add the towns to the map, to add these navigate to the data folder in the POLS_2998W_Fall_2012 folder.</li> </ul>	Utilitéd - ArcMap - ArcInfo         File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows H         Image: Selection Select
<ul> <li>Once your map is complete, from the File Menu select Export Map. From the Export Map option you can select PDF, JPEG or other formats and adjust the settings based on your needs.</li> <li>Once you have completed your map, from the File menu select Save and save this project file to your p:\ drive.</li> </ul>	Figure 30: change symbology of Districts         Image: Solution of the second symbol of the second

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