

Creating a Map Series from a Point Layer

This exercise shows you how to make a series of maps for a Point Layer, in this case, Louisville Free Public Libraries. A sample of the final layout for this map is on the last pages of the exercise.

Open **ArcMap**. In the **ArcMap – Getting Started** window, go to **Existing Maps > Browse for more...** and select **Libraries.mxd** from the **H:/DataDrivenPages** directory.

Creating Data Driven Pages

To open the Data Driven Pages toolbar, go to **Customize > Toolbars** and select **Data Driven Pages**. (Figure 1)



Figure 1 - Data Driven Pages toolbar

On the **Data Driven Pages** toolbar, use the first button to open the **Setup Data Driven Pages** property pages. (Figure 2)

Check Enable Data Driven Pages.

Choose the data frame that contains your index layer or the **Layers** Data Frame.

For Layer, choose the index layer. In this exercise, select **Louisville Free Public Libraries**.

For the Name field, choose the field name '**LFPL_NAME**'

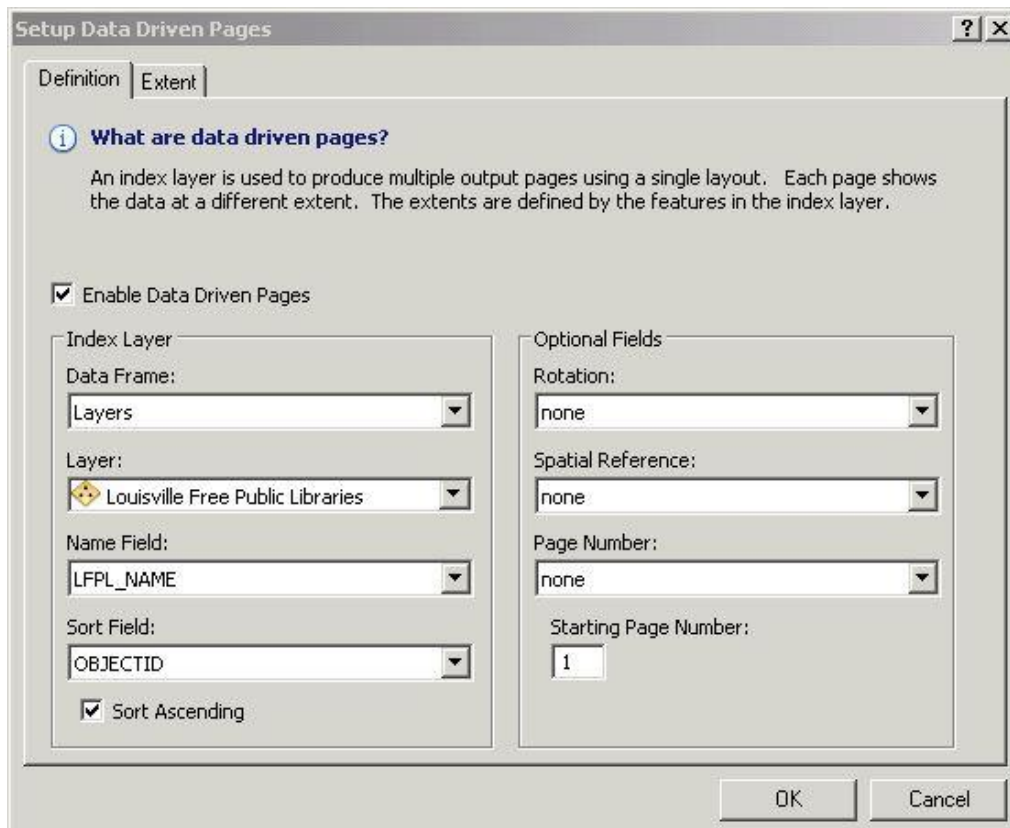


Figure 2 - Setup Data Driven Pages, Definition tab

Switch to the **Extent** tab. (Figure 3)

Select **Center and Maintain Current Scale**. This will keep a fixed scale with the current map scale.

Click **OK**. This will zoom to the first page in your index layer.

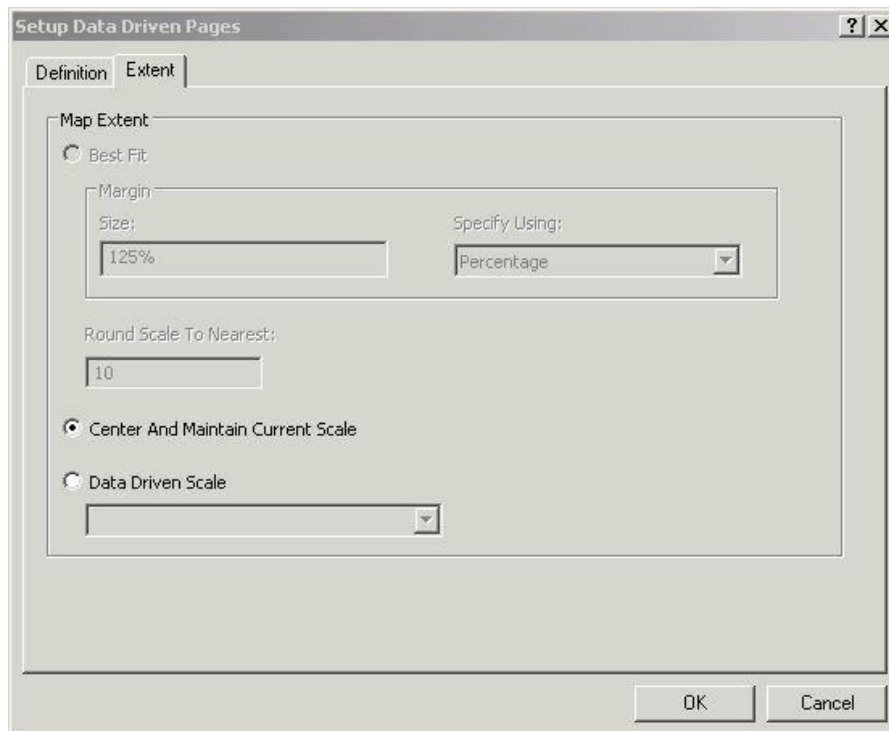


Figure 3 - Setup Data Driven Pages, Extent tab

Creating Map Series Layout

Click on the **Layout** button in the lower left corner to start working on the map layout. Make sure the scale is set to **1:1,200**.



Figure 4 - Standard toolbar

On the **Data Driven Pages** toolbar, step through some of your pages using the arrow buttons.

To make the **Library Name** the map title that will change automatically, go to the **Data Driven Pages** toolbar, click on the **Page Text** button and select **Data Driven Page Name**. (Figure 5)

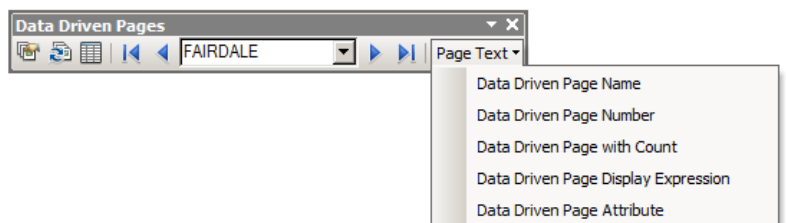


Figure 5 - Data Driven Page toolbar

The **Library Name** will appear in a text box in the middle of the page. Move it to the **center top of the page**. Right click on the **Library Name**, click on Properties and **Center** the text. **Click Apply**. **Click** on the **Change Symbol** button to make the text **bold**, and **increase the text size to 18**. **Click OK**. You may need to move the title to center it on the page.

Setting a Page Definition Query

In order to display the corresponding feature in the **Location Map** that is centered in the main map, a **Page definition query** needs to be set up. **Right Click** on the **Location Maps** Data Frame and **click** on **Activate**. **Right click** on the **Louisville Free Public Library** in the **Location Map** data frame, select **Properties** and go to the **Definition Query** tab. When Data Driven Pages is enabled, the **Page Definition** query button will be available in the tab.

Click on the **Page Definition** button. Set up the query as show in Figure 6. **Click OK**. **Click OK** in the **Definition Query** window.

On the **Data Driven Pages** toolbar, step through the pages using the arrow buttons.

Save the mxd.

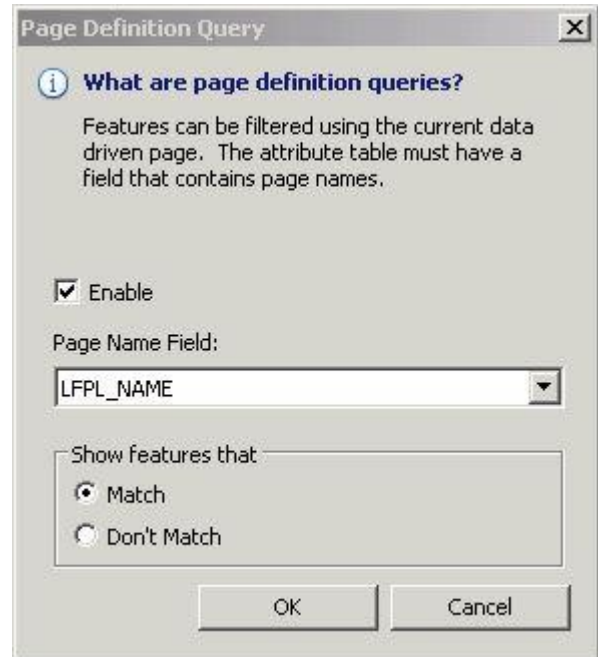


Figure 6 - Page Definition Query

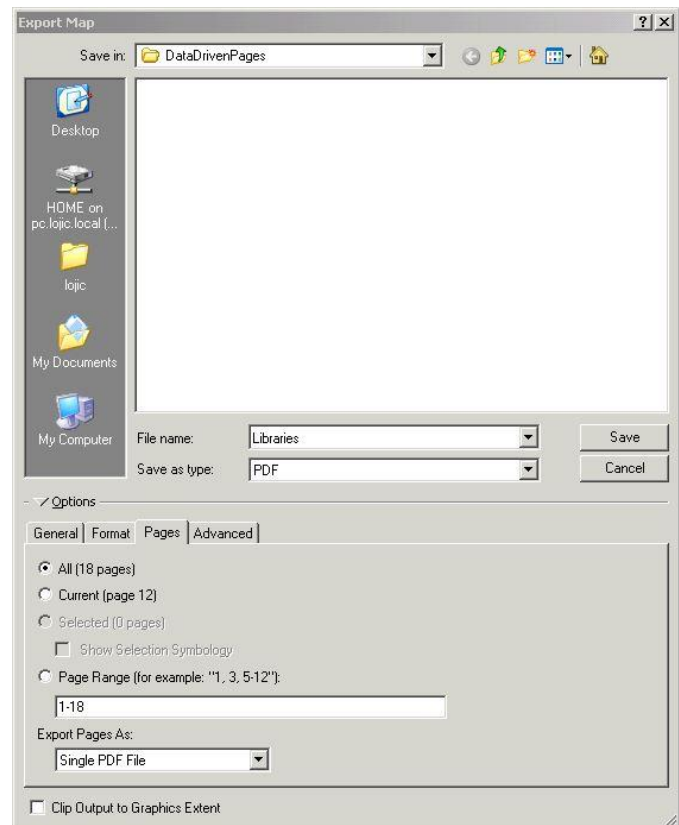
Exporting the Map Series

The map series can be exported as individual maps or as a multi-page document. In this exercise, you will export **All** the pages of this series into a **Single PDF File**.

Click on the **Main** menu **File>Export Map**. **Save** the export file **In** the **H:/DataDrivenPages** directory. Use the pull down to **Save as type PDF**. **Click** on the **Pages** tab in Options. **Click** on the **All (18 pages)** button and in **Export Pages As**, use the pull down menu to select **Single PDF Files**. See Figure 7.

Click Save and the PDF will be created.

Save the mxd. **Close** the mxd if you are not doing the optional challenge.



Optional Challenge:

Adding Static Text to Dynamic Text

To add the text “**LIBRARY**” after the changing **Library Name**, **right click** in the **Library Name**, select **Properties** and click on the **Text** tab.

In the **Text** window, notice the html code enabling the dynamic text:

```
<dyn type="page" property="name"/>
```

In all **CAPITAL LETTERS**, **type** the word “**LIBRARY**” after the dynamic text code, **leaving a space** between the html code and the word “**Library**”. (Figure 8)

Click **OK**.

Save the mxd.

Adding the Current Date

In the **Main** menu, click on **Insert>Dynamic Text>Current Date**. (Figure 9) The current date will appear in a text box in the **middle of the layout**. **Move** it down into the margin below the scale.

Double right click on the **Current Date** note and **change** the word “**Date:**” to “**Map Created:**” The date will now automatically update when you open the mxd.

Add Text from Attributes

Click **Insert>Text**. **Double right click** on the text box that will appear in the middle of the layout. Add the following text:

```
<dyn type="page" property="LFPL_ADD"/>  
<dyn type="page" property="LFPL_LOC"/>  
<dyn type="page" property="TELEPHONE"/>
```

Click on the **Change Symbol** button and change the text size to **10**. Click **OK** to both windows. **Move** the text box between the scale and logo. Click through the pages to see the information change. **Save** and **close** the mxd.

Figure 7 - Export Map window

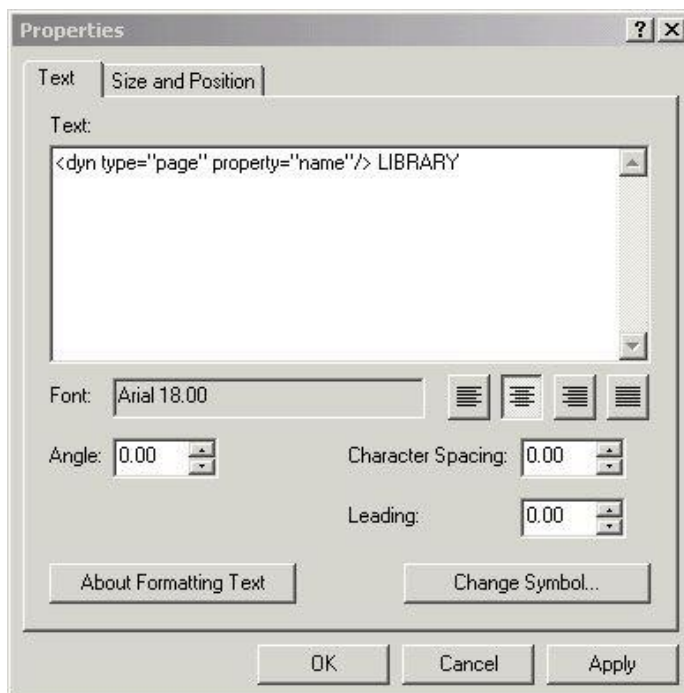


Figure 8 - Adding Static Text with Dynamic Text

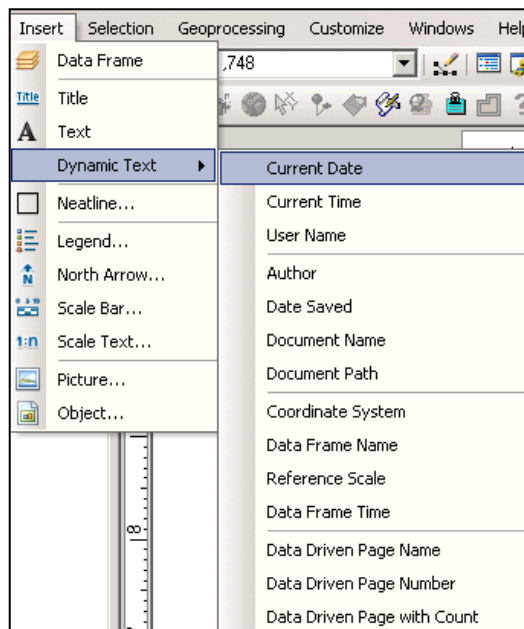
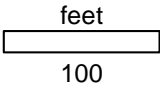
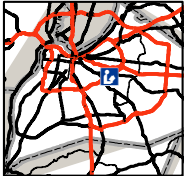


Figure 9 - Add Current Date

Sample Map for Exercise 1

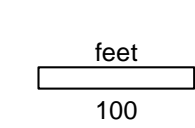
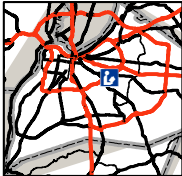
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Sample Map for Exercise 1 – Optional Challenge

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Map Created: 5/22/2019

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LOUISVILLE KY 40220
502-574-1795



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