

# XMPie Training

## EDU Tutorial - Part 9 - Working with uChart

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A CareAR Company

one to one in one™



# Notices

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U.S. Patent 6948115, 7406194, 7548338, 7757169 and pending patents. JP Patent 4406364B and pending patents.

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# About this tutorial

Congratulations on your selection of XMPie uCreate Print for your Variable Data Print (VDP) needs.

The XMPie EDU Tutorial is a series of tutorials that together will provide a thorough introduction to VDP techniques using Adobe InDesign and XMPie uCreate Print.

The EDU Tutorial is divided into different sections to enable you to quickly jump forward or backward to find help to learn different aspects of the product functionality:

- Part 1 - Project planning, preparation and gathering
  - Understanding the project
  - Checking the available data
  - Checking the available image and text file assets
  - Planning what content objects are needed to achieve the desired outcome
- Part 2 - Basic VDP job
  - Linking to your data source
  - Placing Text and Graphic Content objects into the InDesign document
  - Managing text copy fitting and dynamic graphic fitting
  - Creating your first VDP output
- Part 3 - Using rules and logic
  - Introduction to the Rule editor
  - Functions and how to use them
  - Creating rule or logic
- Part 4 - Introducing more content object types
  - Creating and using Visibility, Style and Text File content objects
- Part 5 - Barcodes
  - Creating and using print barcodes
- Part 6 - ulmage regular font effects
  - Creating a font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 7 - ulmage image font effects
  - Creating an image-font-based ulmage template with Adobe Photoshop
  - Creating a ulmage Document Package
  - Optimization techniques
- Part 8 - Using the ulmage package in uCreate Print
  - Linking InDesign and uCreate Print to the ulmage package
- Part 9 - Table Content objects and uChart
  - Linking to secondary data sources
  - Table Content objects
  - Adding uChart to the document
- Part 10 - Working with uProduce
  - Creating Campaign- and Document-packages
  - Uploading packages to the uProduce Dashboard
  - Processing the document on the server
  - Working with Circle

## Target audience

This tutorial is designed to provide basic information, step-by-step instructions, and sample materials for self-learning. Should you require more visual assistance, there are accompanying videos available at <http://campus.xmpie.com/s/uCreatePrint>.

At the end of this Tutorial, there are review questions, and suggested exercises to build on the skills outlined in the tutorial.

The content is designed for customers who have bought XMPie uDirect or PersonalEffect and wish to learn how to use XMPie's uCreate Print product to create document templates for VDP production.

It is expected that the reader will already have a basic working knowledge of Adobe InDesign. If not, it is recommended to first complete some basic InDesign training for example, courses with Adobe: <https://helpx.adobe.com/indesign/tutorials.html> or a 3rd party organization such as Lynda.com: <https://www.lynda.com/InDesign-training-tutorials/233-0.html>

## Document structure

This tutorial uses the following icons to draw your attention to special key items to help you identify the information you are looking for when completing the tutorial.



### **Additional information and notes**

This is an example of additional information and notes.



### **NOTE: Special attention and warning**

This is an example of special attention and warning.

Sections of the tutorial which require hands on action will be highlighted with the following icon.



### **Step by step instructions**

This is an example of step by step instructions.

## Reference materials

- uCreate Print User Guide (Access via the help menu on the Dynamic Content menu).
- uCreate Print Tutorial videos (Access at <http://campus.xmpie.com/s/uCreatePrint>)

## Prerequisites

This tutorial assumes that you:

- Are familiar with InDesign CC,
- have a basic understanding of Excel or text-based data, and
- have a basic understanding of the aims of Variable Data Print (VDP).
- have Adobe InDesign CC2023 or later installed (trial version is acceptable)

# Module 1:

## Introduction and overview

In this module, we download and unzip the tutorial resource files. We will investigate the provided files, and get ready to start work in InDesign. This overview will also describe what we want to achieve in this sample tutorial.

### Duration

About 10 minutes

### Objectives

After completing this module, you will be able to:

- Unzip and open a sample InDesign file provided by a colleague or customer, and
- Describe the purpose or task to be completed in the document for this tutorial.

### Procedure

#### Previous tutorials and sample files

This tutorial is part of a series. It is recommended that you have downloaded and completed the previous tutorials. If you have, you can continue to use the files you have already started creating. Alternatively you can download the files ready to start this tutorial.

#### Unzip and review the contents



#### Step by step instructions

Unzip the resources package. You should see the following files:

EDU-Open-House-Tutorial-9 >				
Name	Date modified	Type	Size	
assets	15/02/2023 1:10 PM	File folder		
resources	15/02/2023 1:10 PM	File folder		
EDU Postcard Template9 CC2023.indd	15/02/2023 1:50 PM	INDD File	2,184 KB	
EDU Static.idml	15/02/2023 1:10 PM	IDML File	335 KB	
EDU_Scores.csv	15/02/2023 2:47 PM	Microsoft Excel C...	1 KB	
EDU201x Prospective Students.csv	15/02/2023 1:10 PM	Microsoft Excel C...	310 KB	
TUTORIAL-9_Working-with-uChart_v3.pdf	15/02/2023 5:04 PM	Shortcut	2 KB	



## Open the InDesign document



### Step by step instructions

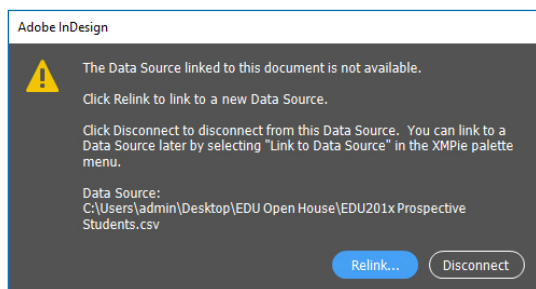
Launch InDesign and open the **EDU Postcard Template CC2023.indd** file.

If you have problems opening the file with your version of InDesign, then open the **EDU\_Static.idml** file and **Save as...** to save it as an INDD document. You will need to repeat the steps outlined in Tutorial 2 before starting this tutorial.

## Re-link to the data source (if necessary)



### Step by step instructions

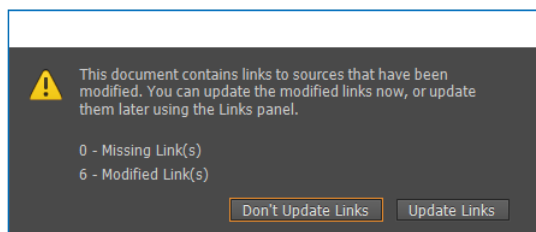


If you receive this warning dialog, then click **Relink** and browse to the **EDU201x Prospective Students.csv** file provided in the tutorial zip file.

## Re-link images (if necessary)

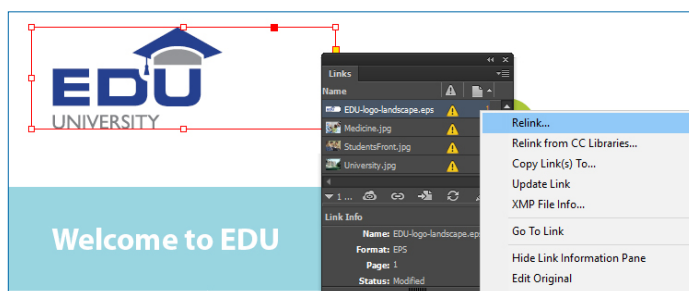


### Step by step instructions



If InDesign prompts you about modified links, click to **Update Links**

InDesign should locate the images automatically. If not, follow these optional steps:



Open the Links panel: **Window -> Links** (Ctrl-Shift-D).

Select the links that have the caution icon, and select to **Relink...** the links from the panel menu.

Locate the image of the same name in the resources or assets folder. InDesign should offer to relink other images found in the same folder. If not, repeat the process until all images are relinked.

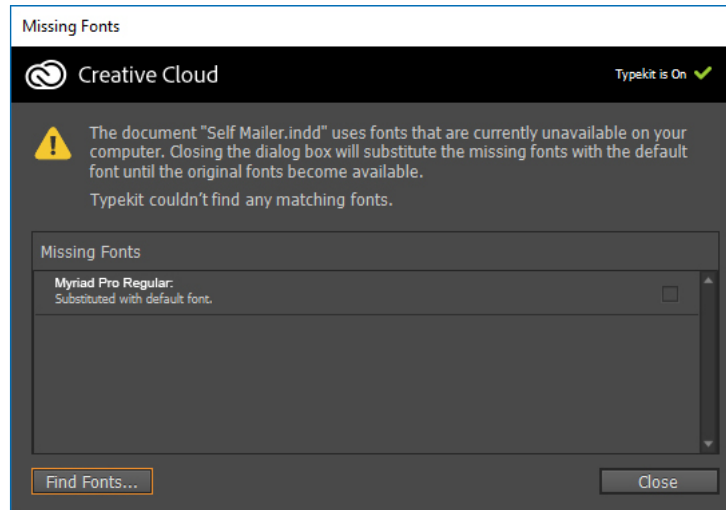


## Install or replace missing document fonts (if necessary)

The tutorial document uses the fonts Impact and Myriad Pro, which should be automatically installed by Adobe InDesign. If either or both fonts are not available on your computer, InDesign will prompt you about missing fonts. You can look for them online and install them, or simply replace the fonts with one you already have installed.



### Step by step instructions

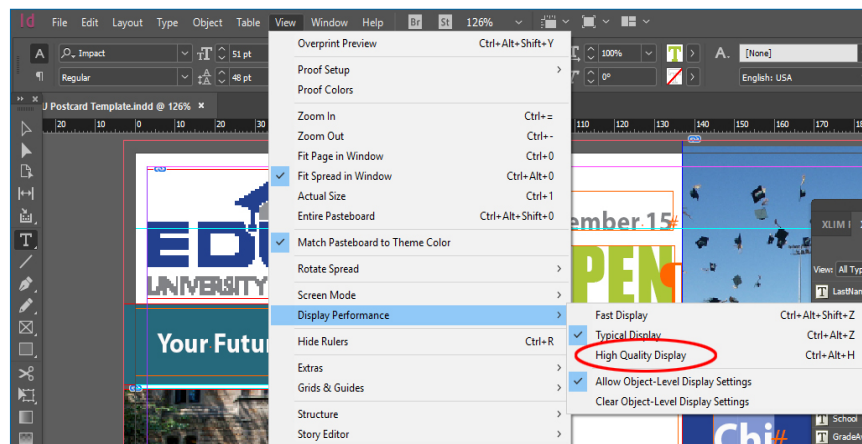


If InDesign prompts you about missing fonts, then click **Find Fonts...** and select to replace the missing fonts with one already installed on your computer.

## Set High Quality display performance



### Step by step instructions



From the InDesign **View** menu, select **Display Performance** and then **High Quality Display**.

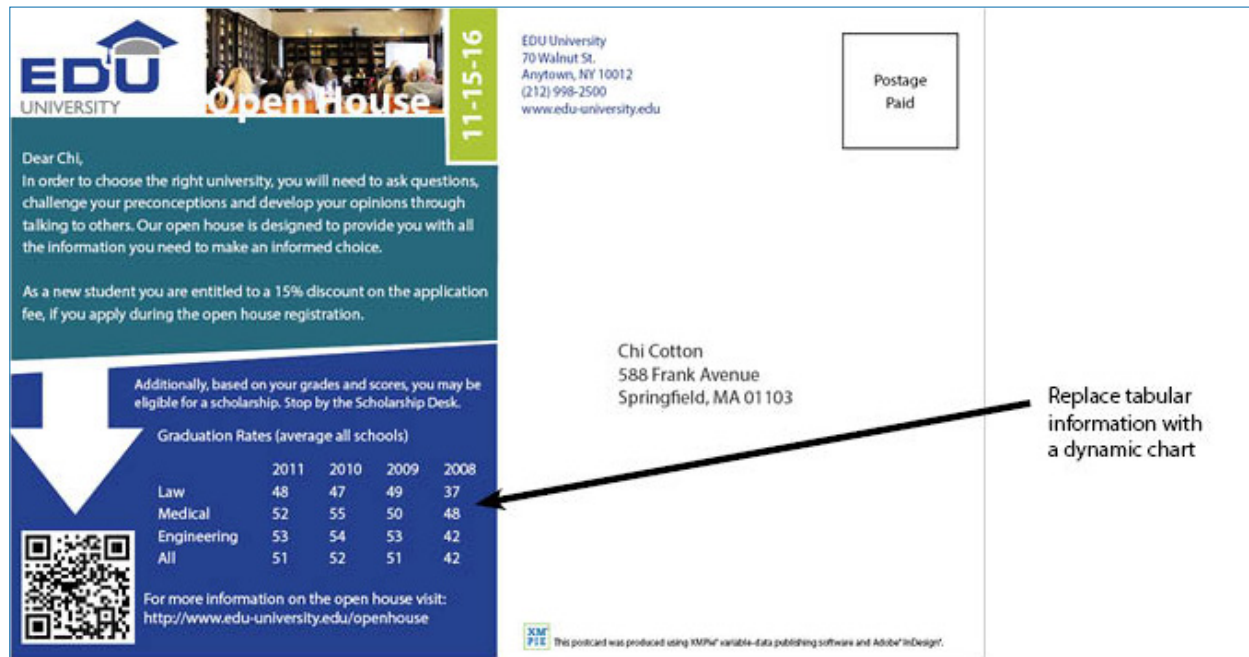
Alternatively, use the **Ctrl+Alt+H** keyboard shortcut.

## Review campaign requirements

Before starting any VDP job, it is recommended to look at the document and the data to understand what information you have, and what needs to change in the document. It can also be very helpful to write a list of ADORs or content objects that are needed to complete the job.

In this tutorial, we are going to continue the EDU Postcard document we started in the previous tutorial.

The invitation postcard document looks like this:



## Additional information and notes

ADOR (Automatic Dynamic Object Replacement) is a patented XMPie technology for objects that can be dynamically changed or replaced in the document. For example a Text ADOR can change text in the document. We also refer to ADORs as Content Objects.

The primary recipient data table for this tutorial looks like this:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	FirstName	LastName	StreetAddress	StreetAddress2	City	State	ZipCode	Gender	School	GradeAvg	EmailAddress	BirthDay	PURL	IMBSample	SortID	Tray	Marker
2	Salvador	Randolph	866 Hilltop Street	Apt 23	Wilbraham	MA	01095	m	89 SalvadorR@somefakeaddress.com	5/5/1993	Salvador.Randolph.744	123456789012345678901234010951234	1	1	#		
3	Chi	Cotton	588 Frank Avenue		Springfield	MA	01103	f	83 ChiC@somefakeaddress.com	1/30/1992	Chi.Cotton.972	123456789012345678901234011031234	2	1			
4	Lauretta-Leigh	Navarrete	4899 Trouser Leg Road	Unit 2	Springfield	MA	01103	m	95 Lauretta-Leigh@somefakeaddress.c	9/16/1993	Lauretta-Leigh.Navarrete.208	123456789012345678901234011031234	3	1			
5	Yolanda	Tourville	1411 Kennedy Court		Worcester	MA	01610	f	87 YolandaT@somefakeaddress.com	2/27/1992	Yolanda.Tourville.378	123456789012345678901234016101234	4	1			
6	Rita	Nock	840 C Street		Framingham	MA	01702	f	83 RitaN@somefakeaddress.com	8/6/1984	Rita.Nock.869	123456789012345678901234017021234	5	1			
7	Dorothy	Beaumont	2835 Smith Street	Level 4	Framingham	MA	01702	f	76 DorothyB@somefakeaddress.com	12/18/1993	Dorothy.Beaumont.377	123456789012345678901234017021234	6	1			
8	Anthony	Britton	132 Russell Street		Action	MA	01720	m	81 AnthonyB@somefakeaddress.com	4/5/1986	Anthony.Britton.338	123456789012345678901234017201234	7	1			
9	Jenny	Race	3067 Pearlman Avenue		Bedford	MA	01730	f	94 JennyR@somefakeaddress.com	4/18/1992	Jenny.Race.914	123456789012345678901234017301234	8	1			
10	Maria	Price	2636 Rainy Day Drive		Woburn	MA	01801	f	94 MariaP@somefakeaddress.com	9/15/1981	Maria.Price.164	123456789012345678901234018011234	9	1			
11	Alta	Smith	4230 Tenmile Road		Burlington	MA	01803	f	79 AltaS@somefakeaddress.com	6/13/1990	Alta.Smith.104	123456789012345678901234018031234	10	1			
12	Gwendolyn	Hernandez	3971 Hampton Meadows		Haverhill	MA	01830	f	82 GwendolynH@somefakeaddress.co	4/16/1996	Gwendolyn.Hernandez.143	123456789012345678901234018301234	11	1			
13	Michelle	Labrecque	1698 Levy Court		Lawrence	MA	01840	f	100 MichelleL@somefakeaddress.com	8/7/1981	Michelle.Labrecque.766	123456789012345678901234018401234	12	1			
14	Angie	Mifflin	1982 Hampton Meadows		West Newbury	MA	01985	f	87 AngieM@somefakeaddress.com	7/26/1987	Angie.Mifflin.578	123456789012345678901234019851234	13	1			
15	Michael	Danek	1554 Huntz Lane		Foxboro	MA	02035	m	91 MichaelD@somefakeaddress.com	8/29/1988	Michael.Danek.047	123456789012345678901234020351234	14	1			

	A	B	C
1	School name	year	score
2	Medicine	2014	85
3	Medicine	2015	87
4	Medicine	2016	93
5	Engineering	2014	81
6	Engineering	2015	81
7	Engineering	2016	85
8	Law	2014	95
9	Law	2015	93
10	Law	2016	90
11		2014	75
12		2015	80
13		2016	73

There is also a secondary database called EDU\_Scores.csv which contains information about the Grade Average required for admission to the different schools over the past couple of years.

In order to create the chart we will use data from this table.



## Additional information and notes

To create a Table Content object, you need a second data source that is related to the recipient's data source. This secondary data source has two requirements:

1) It must contain a column which has data values that relate back to a particular column in the recipient data. This column or field is often called a key field.

In this tutorial, the EDU\_Scores.csv (data file) has a column called School Name that matches the value of School column in the EDU\_prospectives.csv.

2) The data must be entered in a particular format, the best layout being the Row form. The Column form will only work in certain instances. Using the data for this tutorial as an example, here are the ways data can be entered.

### Data in Row Form

This data layout will work in uCreate Print and other XMPie products. This is the recommended layout for creating pie charts.

School Name	Year	Score
Medicine	2014	85
Medicine	2015	87
Medicine	2016	93
Engineering	2014	81
Engineering	2015	81
Engineering	2016	85

### Data in Column Form

This data layout will work in uCreate Print only for bar charts whose bars are in a unique color. This layout also works using special QLingo programming, usually done in uPlan.

	Score in 2014	Score in 2015	Score in 2016
Medicine	85	87	93
Engineering	81	81	85

One of the aims of VDP and personalization is to only display information that is relevant to the customer. In the case where students have nominated their preferred School, we only need to display the information relating to that School.

To get the data for the chart, we will link the School field from the primary table to the School name field in the secondary table to get only the relevant rows of data.

	A	B	C	E	F	G	H	I	J		A	B	C	D
1	FirstName	LastName	StreetAddress	City	State	ZipCode	Gen	School	GradeAvg	EmailAddress	1	School name	year	score
2	Salvador	Randolph	866 Hilltop Street	Wilbraham	MA	01095	m		89	SalvadorR@	2	Medicine	2014	85
3	Chi	Cotton	588 Frank Avenue	Springfield	MA	01103	f	Engineering	83	ChiC@some	3	Medicine	2015	87
4	Lauretta-Leigh	Navarrete	4899 Trouser Leg Road	Springfield	MA	01103	m	Engineering	95	Lauretta-Lei	4	Medicine	2016	93
5	Yolanda	Tourville	1411 Kennedy Court	Worcester	MA	01610	f		87	YolandaT@	5	Engineering	2014	81
6	Rita	Nock	840 C Street	Framingham	MA	01702	f		83	RitaN@some	6	Engineering	2015	81
7	Dorothy	Beaumont	2835 Smith Street	Framingham	MA	01702	f		76	DorothyB@	7	Engineering	2016	85
8	Anthony	Britton	132 Russell Street	Acton	MA	01720	m		81	AnthonyB@	8	Law	2014	95
9	Jenny	Race	3067 Pearlman Avenue	Bedford	MA	01730	f	Law	94	JennyR@son	9	Law	2015	93
10	Maria	Price	2636 Rainy Day Drive	Woburn	MA	01801	f	Law	94	MariaP@son	10	Law	2016	90
11	Alta	Smith	4230 Tenmile Road	Burlington	MA	01803	f	Law	79	AltaS@some	11		2014	75
12	Gwendolyn	Hernandez	3971 Hampton Meadows	Haverhill	MA	01830	f	Law	82	GwendolynH	12		2015	80
13	Michelle	Labrecque	1698 Levy Court	Lawrence	MA	01840	f	Law	100	MichelleL@	13		2016	73
14	Anjie	Miffin	1982 Hampton Meadows	West Newbury	MA	01985	f		87	AnjieM@sc	14			

However, some students have not nominated a preferred School, in this case, instead of displaying a chart about GPA entry scores, we want to display a table of the graduation rates across all schools.

With the document design requirements, data, and assets, we can now define the content objects and rules we need to create. Below is the list of tasks for this tutorial. For your reference, each is followed by the tutorial page number.

### Back page tasks

- Create a new Table Content object to get data from a secondary table (page 13).
- Create a new graphic frame and place the Table to create a chart (page 15).
- Configure the uChart options to format the look of the chart (page 16).
- Create a new Visibility Content object that will display either the table or the chart (page 19)

# Module 2:

## Table Content objects

Table Content objects allow you to select data from a secondary table that can be used to create an InDesign table or a Chart using uChart. This module will look at using the Table Content object to create a Chart.

For this example, the University has provided a database that contains the required grade average for entry to the different Schools over the past few years. Where the student has indicated a School preference, we will show that School's data as a chart. Where the student has not indicated a preference, we will show the graduation rates table instead.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

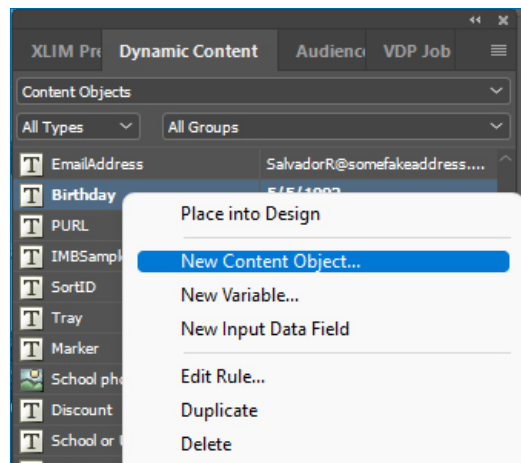
- Create a new Table Content object, and
- Create a new InDesign table that is populated by the Table Content object.

### Procedure

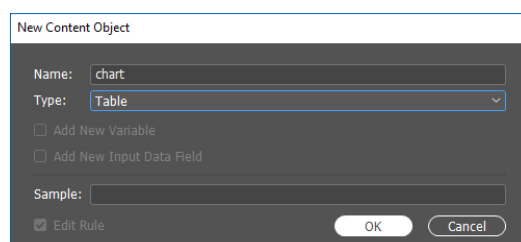
#### Creating a new Table Content object



#### Step by step instructions



In the Dynamic Content panel, right-click and select **New Content Object...**



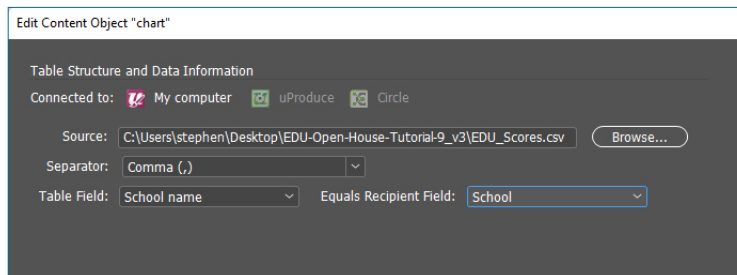
Enter a **Name** for the Content object.

Set the **Type** to **Table**.

Click **OK**.



Click **Browse** and select the **EDU\_Scores.csv** file provided with the tutorial sample files.



Edit Content Object "chart"

Table Structure and Data Information

Connected to: My computer uProduce Circle

Source: C:\Users\stephen\Desktop\EDU-Open-House-Tutorial-9\_v3\EDU\_Scores.csv Browse...

Separator: Comma (,)

Table Field: School name Equals Recipient Field: School

Set the **Separator** to **Comma**.

Set the **Table Field** to **School name**.

Set the **Recipient Field** to **School**.

Our expression is complete. Click **OK**.



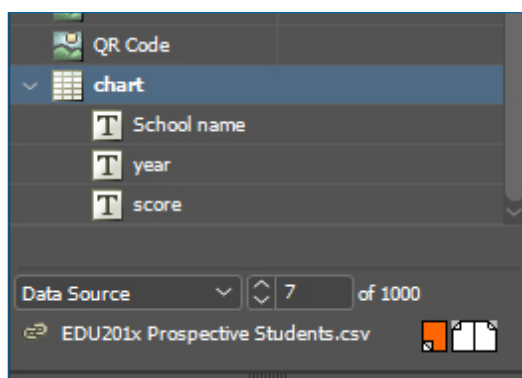
### Additional information and notes

When you create a Table Content Object, you link or relate the secondary table to the primary recipient table by setting a field from each table.

	A	B	C	E	F	G	H	I	J		A	B	C	D
1	FirstName	LastName	StreetAddress	City	State	ZipCode	Gen	School	GradeAvg	EmailAddress	1	School name	year	score
2	Salvador	Randolph	866 Hilltop Street	Wilbraham	MA	01095	m		89	SalvadorR@some	2	Medicine	2014	85
3	Chi	Cotton	588 Frank Avenue	Springfield	MA	01103	f	Engineering	83	ChiC@some	3	Medicine	2015	87
4	Lauretta-Leigh	Navarrete	4899 Trouser Leg Road	Springfield	MA	01103	m	Engineering	95	Lauretta-Leigh	4	Medicine	2016	93
5	Yolanda	Tourville	1411 Kennedy Court	Worcester	MA	01610	f		87	YolandaT@some	5	Engineering	2014	81
6	Rita	Nock	840 C Street	Framingham	MA	01702	f		83	RitaN@some	6	Engineering	2015	81
7	Dorothy	Beaumont	2835 Smith Street	Framingham	MA	01702	f		76	DorothyB@some	7	Engineering	2016	85
8	Anthony	Britton	132 Russell Street	Acton	MA	01720	m		81	AnthonyB@some	8	Law	2014	95
9	Jenny	Race	3067 Pearlman Avenue	Bedford	MA	01730	f	Law	94	JennyR@some	9	Law	2015	93
10	Maria	Price	2636 Rainy Day Drive	Woburn	MA	01801	f	Law	94	MariaP@some	10	Law	2016	90
11	Alta	Smith	4230 Tenmile Road	Burlington	MA	01803	f	Law	79	AltaS@some	11		2014	75
12	Gwendolyn	Hernandez	3971 Hampton Meadows	Haverhill	MA	01830	f	Law	82	GwendolynH	12		2015	80
13	Michelle	Labrecque	1698 Levy Court	Lawrence	MA	01840	f	Law	100	MichelleL@some	13		2016	73
14	Annie	Miffin	1982 Hampton Meadows	West Newbury	MA	01985	f		87	AnnieM@some	14			

In our example, for record 2, the School is Engineering, so we will select the three Engineering rows out of the EDU Scores database by linking the School field with the School name field.

The new Content object is added to the bottom of the list in the Dynamic Content panel.



QR Code

chart

School name

year

score

Data Source: 7 of 1000

EDU201x Prospective Students.csv

Notice how uCreate Print creates a table structure and includes all of the fields from the secondary table.

# Module 3:

## Placing and configuring uChart

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create a new graphic frame and place the Table Content object to create a chart,
- Open and use the uCreate Chart Properties, and
- Locate the uChart User Guide.

### Procedure

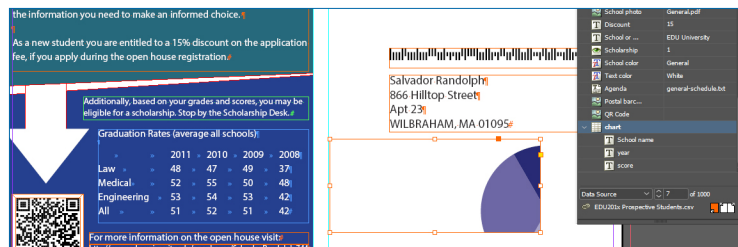
#### Placing a chart into the document




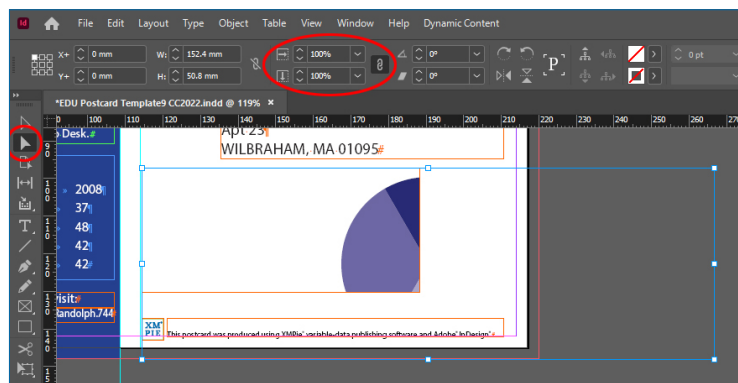
#### Step by step instructions


From the InDesign tool box, select the **Rectangle Frame** tool .

Below the address block, draw a rectangular graphic frame about the same size as the graduation rates table.



Use the **Selection** tool (black pointer)  to select the graphic frame and double click the Table Content Object.



Use the **Direct Selection** tool (white pointer)  to select the graphic in the frame.

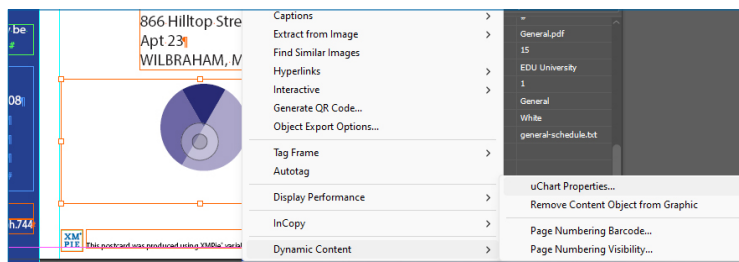
The graph is placed in the frame at 100%. Use the scale tools to reduce the chart size to fit the graphic frame. About 50% should be close.




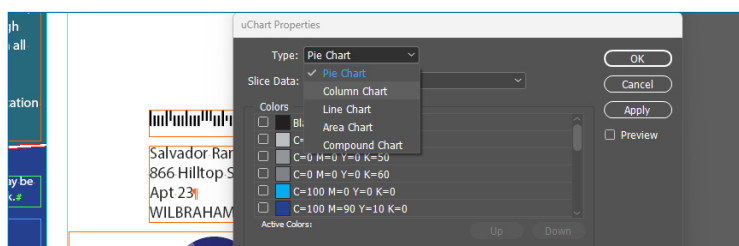
## Configuring the chart properties



### Step by step instructions

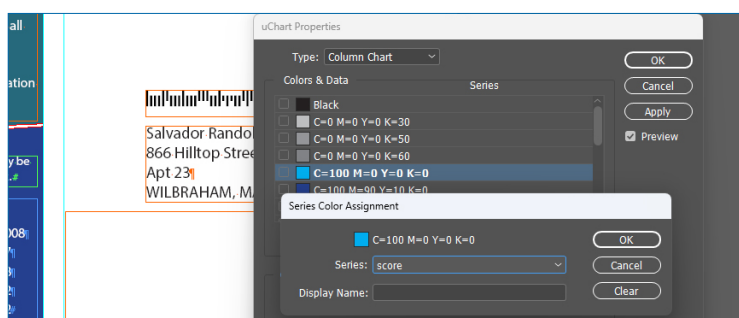


Use the **Selection** tool (black pointer)  to right-click on the graphic frame and select **uChart Properties...** from the **Dynamic Content** menu.



Change the chart **Type** to **Column Chart**.

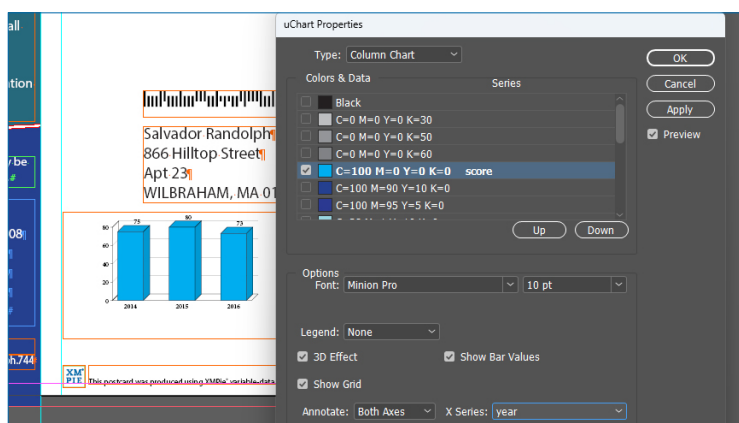
Check the **Preview** button.



Double-click on the pale blue color.

Select the **score** field as the Series.

Click **OK**.



Make the following settings:

Legend: None

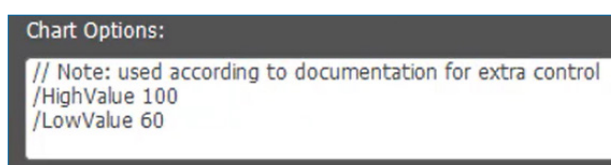
3D Effect: checked

Show Bar Values: checked

Show Grid: checked

Annotate: Both Axes

X Series: year

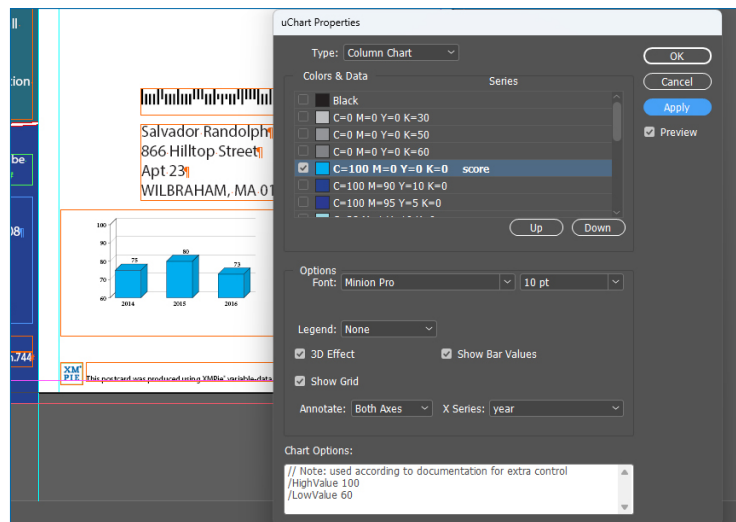


In the **Chart Options** area, enter:

**/HighValue 100**

**/LowValue 60**

Click the **Apply** button.

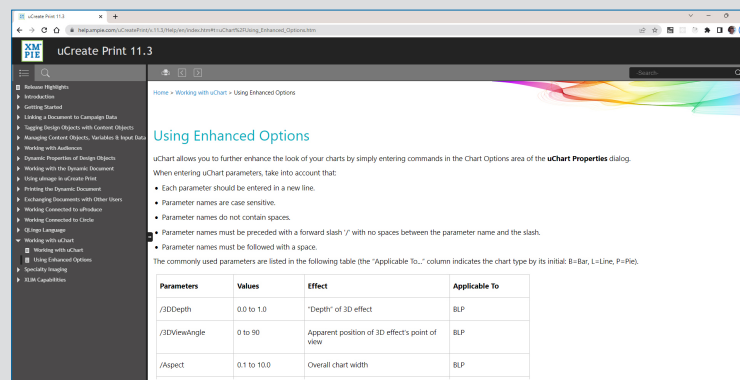


Notice in the preview that this sets the Y-axis High and Low values.



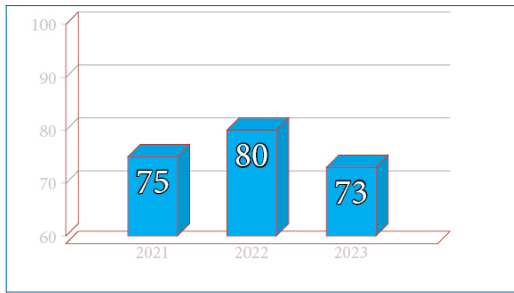
## Additional information and notes

uChart has many additional settings that can be entered to customize the chart. For more information on the available settings and the permitted values, refer to the uChart section of the uCreate Print User Guide available from the **Dynamic Content** menu, **Help** group.



In addition to the HighValue and LowValue settings, add these additional options:

/HighValue 100  
 /LowValue 60  
 /AxisColor LightGray  
 /GridLineColor DarkerGray  
 /BarGap 2.5  
 /ValueColor White  
 /PrintFloor Yes  
 /OutlineColor DarkerRed  
 /ValueLocation Head  
 /ChartValueSize 2



Your chart should now look like this.

Click **OK** to save your uChart Properties.

# Module 4:

## Using a Visibility Content object

For this exercise, some students have not selected a preferred School, so we need to show more general information when there is no School selected. To do this, we will use separate InDesign Layers and a Visibility Content object.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

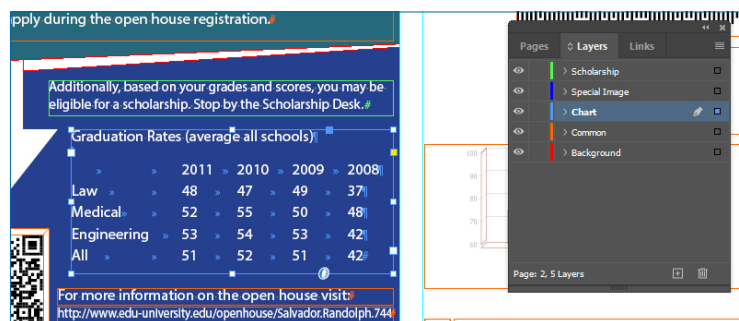
- Create a Visibility Content object,
- Use the IsNullOrEmpty function to detect when there is no value in the school field,
- Use If-then-else logic to select which layer to show, and
- Apply the Visibility Content object onto the layers.

### Procedure

#### Creating a new layer




#### Step by step instructions



Open the **Layers** panel (F7).

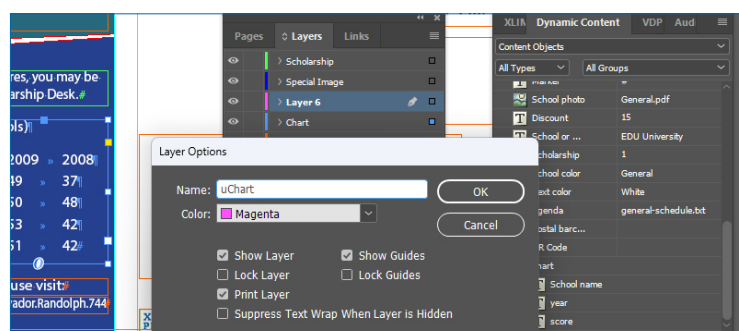
Click to select the Graduation Rates text frame.

Notice in the Layers panel that the text frame is on a separate layer called **Chart**.

Click the + (plus) icon  at the bottom of the Layers panel.

Layer 6 is created above the Chart layer.

Double-click the Layer 6 layer to open the layer options panel.



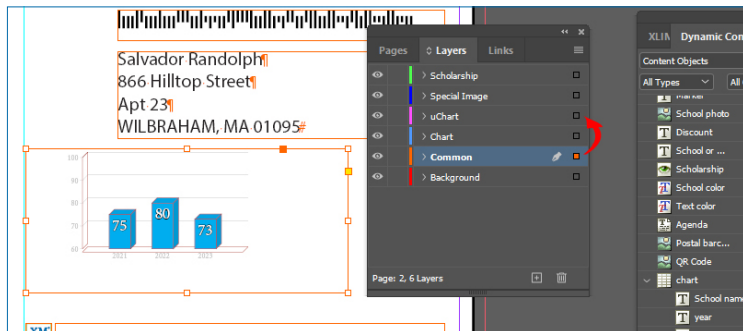
So, we know what is on the layer, change the layer name to **uChart**.


Click **OK**.

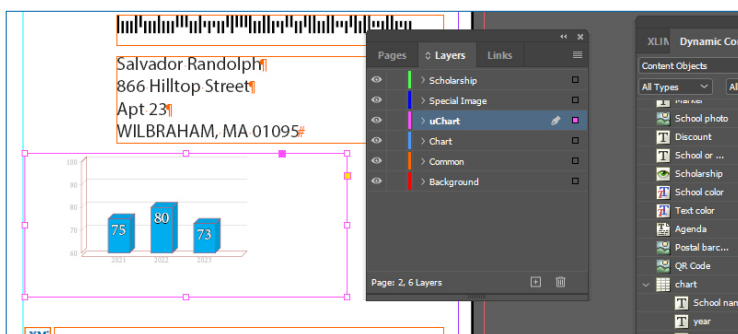
## Moving objects to different layers



### Step by step instructions



Use the **Selection** tool (black pointer)  to select the uChart graphic frame and in the Layers panel, drag the colored dot up to the new uChart layer.



The color of the graphic frame should update to the color of your layer. (Magenta in my case.)

## Creating a Visibility content object



### Step by step instructions

In the Dynamic Content panel, right-click and select to create a **New Content object...**

Enter a **Name**.

Set the **Type** to **Visibility**.

Check the box to **Edit Rule**.

Click **OK**.

From the first drop-down, select **If**.

From the second drop-down, select **IsNullOrEmpty**.

Select the **School** database field.

Turn off the comparison by scrolling to the top and selecting the empty option.

On the second line, select **String** and type **Chart**.

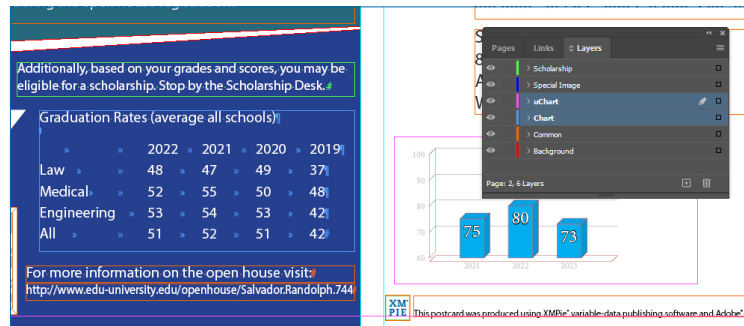
On the third line, select **String** and type **uChart**.

Click **OK**.

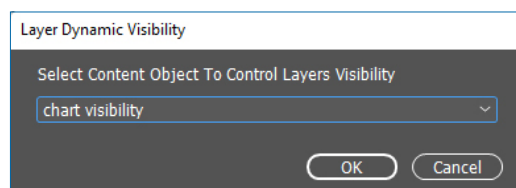
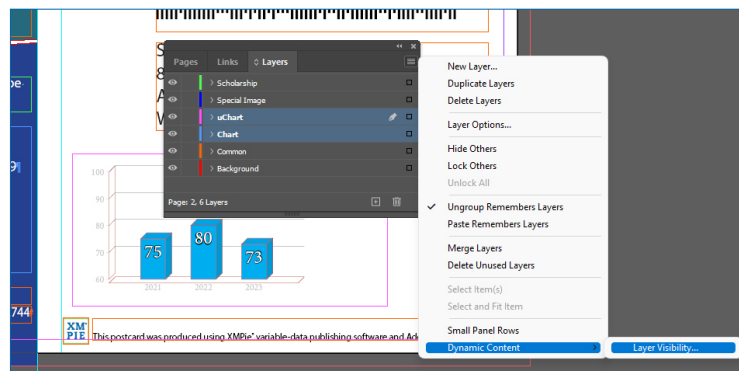
## Applying a Visibility content object to both layers



### Step by step instructions



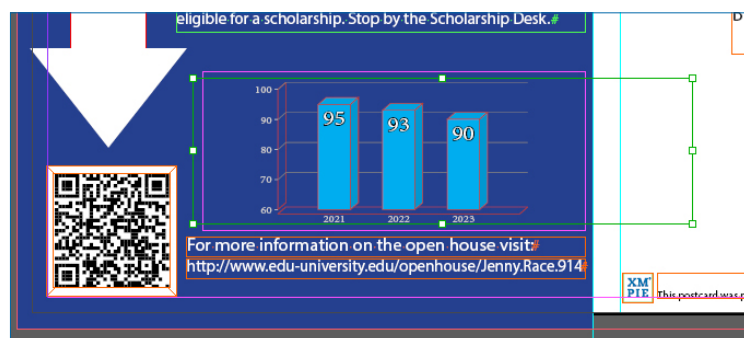
In the Layers panel, select the **uChart** layer and shift-click to select the **Chart** layer so both layers are selected.



Select the **Chart visibility** content object.

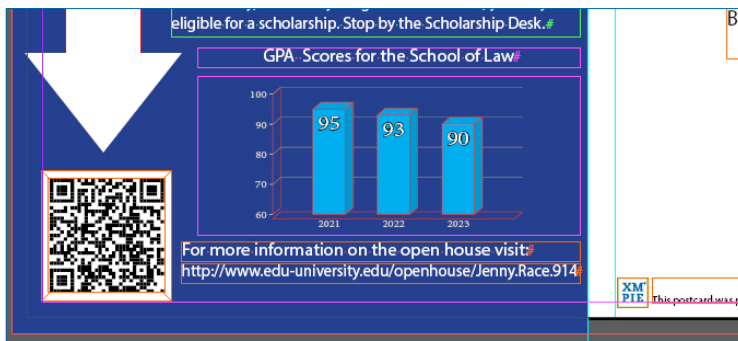
Click **OK**.

Scroll through your records and see that the correct layer is showing depending on the School database field value.



Position the uChart frame over the blue background where the table also appears.

You can also use the InDesign graphic tools to make the chart a little larger in the frame if desired.



You can also create a heading for the chart and add the School or University Text content object to add the School name.



#### NOTE: Special attention and warning

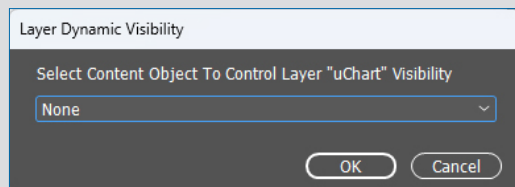
Make sure that you add the heading text box to the uChart Layer.

Test scrolling through your records to ensure that the School name changes, and the heading also shows and hides correctly when needed.



#### Additional information and notes

If you accidentally apply a Visibility object to the wrong layer, you can select the layer in the Layers panel, select **Layer Visibility** from the **Dynamic Content** menu on the panel. Then select **None** from the dialog.



The layer can then be controlled manually by the visibility icon on the Layers panel.



# Module 5:

## Dynamic Print

Our dynamic template is complete. We are ready to create the output file to print. Please note that Dynamic Print is only possible with a licensed version of uCreate Print.

### Duration

About 10 minutes.

### Objectives

After completing this module, you will be able to:

- Create print output of one or more data source records, and
- impose the output for optimized press sheet coverage.

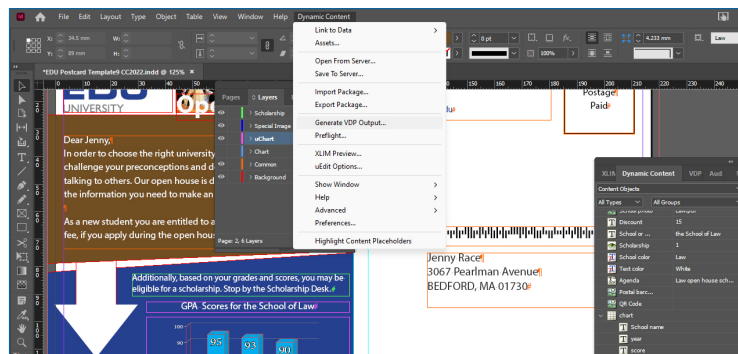
### Procedure

#### Variable data print

In this example we use default print settings to create page-by-page output for each record.

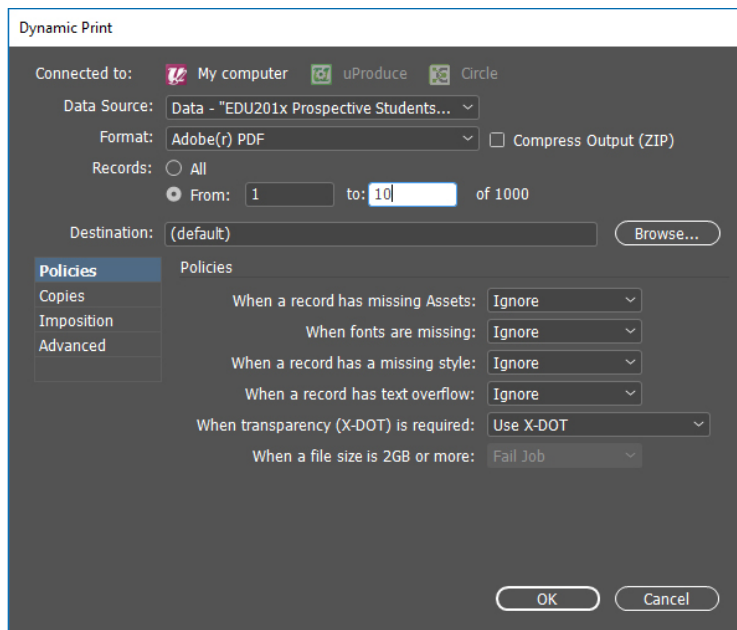


#### Step by step instructions



From the **Dynamic Content** menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.



Set the output **Format** to **Adobe(r) PDF**.

Set the range of **Records** that you would like to print. I will set **1 to 10**.

Click **OK**.

You will see a dialog indicating the print production progress. After a few moments, the dialog will close and you are returned to the document.



#### Additional information and notes

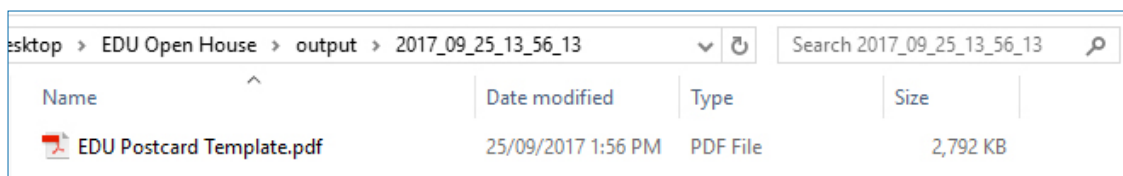
For more information on other settings in the Dynamic Print dialog, refer to the uCreate Print User Guide by selecting **Help** from the **Dynamic Content** menu.



#### Additional information and notes

In addition to PDF, uCreate Print can output several other VDP output formats including PS, VIPP, VPS, PPML and PDF/VT-1. The best one to use will depend on your printer so you should do some tests to see which is smallest/fastest.

In the folder where your InDesign document is saved, look for a new folder called **output**. Inside the output folder, uCreate Print will create a subfolder with the current date and time and save the output file into this folder.



#### Additional information and notes

On the Dynamic print dialog, you can also choose to set the **Destination**. If you choose to set a destination, uCreate Print will save the output file in the folder of your choice. If you print multiple times with a custom destination, each print will overwrite any previous output file in that location.

## Variable data print with imposition

In this example we output the postcards imposed to a larger sheet size with bleed and trim marks.



### Step by step instructions

From the **Dynamic Content** menu, select **Generate VDP Output...**

If you have not already saved the document, you will be prompted to do so.

Set the output **Format** to **Adobe PDF**.

Set the range of **Records** that you would like to print. I will set **From 1 and To 12**.

Click **OK**.

Click **Imposition**.

Set **Imposition Template** to **Step and Repeat**.

Set **Sheet Size** to **SRA3 Landscape**.

Set both **Margin Width** and **Height** to **0.08in** (or 2mm)

Check **Auto Calculate**.

Check **Duplex**.

Check **Centre Pages on Sheet**.

Check **Draw Cut Marks** and enter **0.12in** (or 3mm) for both **x** and **y** values.

Click **OK**.

When production finishes, check the output folder for a second subfolder, and open the output PDF to check your work.

Samples of the first two pages of the PDF output are shown on the next page.

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Chi Cotton  
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Medical	52	55	50	48
Engineering	53	54	53	42
All	51	52	51	42

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Lauretta-Leigh Navarette  
4899 Trouser Leg Road  
Unit 2  
SPRINGFIELD, MA 01103

# Review

To consolidate your understanding of the topics covered in this tutorial, please answer the following review questions:

## Review questions

What is the recommended data layout format for uChart? (Page 11)

.....

What does "/LowValue 50" do to the chart when entered in the uChart options area? (Page 16)

.....

In which XMPie product User Guide will you find information about uChart's extended settings? (Page 17)

.....

To create a Table Content object, the data sources need to have a field which has common values in order to link the tables. True or false? (Page 11). . . . .

To create a chart with uChart, you add the Table Content object to a Text frame. True or false? (Page 15)

How can you change the size of the chart that is created? (Page 15)

.....

Where do you go to change the color of the chart? (Page 16)

.....