

# Exporting Images From JMP to PPT

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This tools enables users to export images to PPT slides automatically. Images might be stored locally, or the path to their location might be listed in a table. It supports custom PPT layouts. The source code of the project is [here](#). *Acknowledgments:* Heidi Hardner.

## 1 Instructions to get started

In order to enable the macro, you will need to follow the steps below:

1. You need a file with proper image paths. Find a sample data set [here](#): example table with images.jmp, and open the file.
2. Run the JSL script. It will prompt the following UI:

### 1.1 Column Selection

- **Image Path(s):** [Required] Select the columns with the image paths. If there are multiple columns, the script will stack them.
- **Image Labels(s):** [Optional] There will be a table on top of each image. Select at most 3 columns to appear in the table
- **Slide Label(s):** [Optional] Serves two purposes: i) Creates a slide title ii) Creates a new slide when title changes.

Table 1: JMP options

| title                        | options(default)   |
|------------------------------|--|
| Images Per Row               | {"4", "1", "2", "3", "5", "6", "7", "8"}                 |
| Number of Rows               | {"2", "1"}   |
| Possible Image Label Columns | {IMAGE_TAG, Geography, Type, ERA}                        |
| Possible Path Columns        | {IMAGE_URL_1, URL, IMAGE_PATH}                           |
| Possible Slide Label Columns | {Medium}   |
| ppt layout                   | {"grid", "one_big_three_small.jsl", "one_big_two_small"} |
| Title Options                | {"Title Page(1);Lay out(1,3);Name; Date; Table Name"}    |

## 1.2 Export options

- **Selected Rows only:** If there are selected rows in your data, the script assumes you just want these rows in PPT. You can disable that by unchecking the box.
- **PPT Layout:**
  - **grid:** Creates a grid of images where number of columns and rows are selected by the dropboxes. Image sizes are computed automatically.
  - **custom:** If user has a custom layout, it can be selected here. More on this in the Customizing the tool section.

## 2 Customizing the tool

The tool is 100% data agnostic and highly customizable. Once installed, the Add-in will create a directory **C:\IMAGETABLE\_TO\_PPT**. Locate that folder and find the following 1. **export\_images\_options.jmp**: This file is all yours to change. UI will load the options from this file.

- *Images Per Row:* Sets the dropdown contents. Order is preserved, i.e., first item will be the selected one. Try to keep this smaller than 4 or so.
- *Number of Rows:* Sets the dropdown contents. Order is preserved. allowed values are : 1 and 2.
- *Possible Image Label Columns:* Best guesses for image label column. If they are found in the table, boxes will be populated automatically.
- *Possible Path Columns:* Best guesses for image path columns. If they are found in the table, boxes will be populated automatically.
- *Possible Slide Label Columns:* Best guesses for slide label columns. If they are found in the table, boxes will be populated automatically.
- *ppt layout:*
  - “grid” is defined by the Images Per Row and Number of Rows selections.
  - You can add your custom layout into the list such as **one\_big\_three\_small.jsl**. This script needs to be saved under the folder “\ppt layout scripts”. You can create your own template script or ask the developer to build one for you.

## 3 What could go wrong with PPT

You will probably need to make few changes in the PPT settings:

### **3.1 Enable VBA macros:**

File »Options»Trust Center»Trust Center Settings»Macro Settings»Enable all macros

### **3.2 Missing Library Error:**

You may encounter this error related to missing libraries:

Close the error window, and the VBA window (if open). In PPT View»Macros, select the macro, and hit Edit to launch the VBA editor.

In the VBA editor Tools » References

Look for a checked “MISSING: Microsoft Excel XX Object Library”, and uncheck it. Close VBA and try again.

### **3.3 Missing object Error:**

You may encounter this error: Object required:

This is most probably because the Excel Object Library is not checked. Close the error window, and the VBA window (if open). In PPT View»Macros, select the macro, and hit Edit to launch the VBA editor.

In the VBA editor Tools » References

Look for “Microsoft Excel XX Object”, and check it. Close VBA and try again.