

# Creating Dynamic 3D Maps in Excel 2016

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**ACCOLEDs**

Nov 28-30, 2017

## Today

 LSASS Questionnaire 2017 - ESSAB Questionnaire 2017.xls  
Desktop

## Yesterday

 rdm\_survey\_faculty.xlsx  
Desktop

## Older


 Grant MacEwan University - Core+ and Science Essentials Usage...  
Desktop


 September2017\_chem101\_survey.xlsx  
OneDrive - MacEwan University > CHEM 101 Tutorial Project

 CHEM 101 Blended Learning.xlsx  
Downloads > Data\_All\_171002 (1) > Excel

 CollectorList.xlsx  
Downloads > Data\_All\_171002 (1) > Excel

 RDM Faculty.xlsx  
Desktop > Data\_All\_171002 > Excel

 Pet\_Licenses\_by\_Neighbourhood.xlsx  
Desktop > Excel 3D Maps

 Pet\_Licenses\_by\_Neighbourhood.csv.xlsx  
Desktop > Excel 3D Maps

 Pet\_Licenses\_by\_Neighbourhood.csv  
Desktop > Excel 3D Maps

 Historical\_Buildings.xlsx  
Desktop > Excel 3D Maps

 Historical\_Buildings.csv.xlsx  
Desktop > Excel 3D Maps

 Historical\_Buildings.csv  
Desktop > Excel 3D Maps

 2013\_Edmonton\_Election\_-\_Results\_Details\_by\_Voting\_Station\_...  
Desktop > Excel 3D Maps

 2013\_Edmonton\_Election\_-\_Results\_Details\_by\_Voting\_Station\_...  
Desktop > Excel 3D Maps

 Open Other Workbooks

Search for online templates

Suggested searches: Business Personal Financial Management Industry Lists Logs Calculator

	A	B	C
1			
2			
3			
4			
5			
6			
7			

Blank workbook



Back to School Planner



Family budget (monthly)



My Cashflow

## What's New in Excel

Your latest Office 365 features



Maps

Use this new chart type to transform geographic data into professional looking maps with just a few steps.



Accessibility built right in

Improved support for using your keyboard, Narrator, and other assistive technology to read cells, create tables, sort data, and more.



Personalize the default PivotTable layout

Set up a PivotTable the way you like, and start with that layout every time you create a new PivotTable.



Join the Excel community

Excel shows you who edited your shared spreadsheet since your last visit.

[Join us today](#)



New data transformation: Add Column

[From Examples](#)

[Learn more](#)

Close



Analysis



Payment comparison calculator



Student schedule



Academic calendar (any year)



Loan comparison calculator



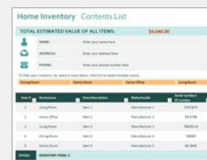
Class schedule



Accessible Template Sampler



Personal expenses calculator



Home inventory

DATE	TITLE	REMARKS
Nov 15	2016	Nov 15 - Nov 15
Nov 16	2016	Nov 16 - Nov 16
Nov 17	2016	Nov 17 - Nov 17
Nov 18	2016	Nov 18 - Nov 18
Nov 19	2016	Nov 19 - Nov 19
Nov 20	2016	Nov 20 - Nov 20
Nov 21	2016	Nov 21 - Nov 21
Nov 22	2016	Nov 22 - Nov 22
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Nov 27	2016	Nov 27 - Nov 27
Nov 28	2016	Nov 28 - Nov 28
Nov 29	2016	Nov 29 - Nov 29
Nov 30	2016	Nov 30 - Nov 30

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Nov 30	2016	Nov 30 - Nov 30

# Introduction & Background

- Power Map → 3D Maps
- Why use Excel 3D Maps?
  - Fast, easy to learn
- Limitations
  - Lacks features
  - No large files
  - KML works better than Shapefiles
  - Doesn't like dates that are only years

# Getting Started

- Data in Excel
- Formatted in columns
- Not too big
- Location aspect to your data

## Prepare Data & Insert 3D Map

DTaP-IPV-Hib\_vaccine\_coverage.xlsx - Excel Tara Stieglitz

File Home Insert Page Layout Formulas Data Review View Developer Power Pivot Tell me

Tables Illustrations Add-ins Recommended Charts Charts 3D Map Tours Sparklines Filters Link Text Symbols

D134 X ✓ fx =YEAR(C134)

	A	B	C	D	E	F	G
1	Geography	Health Zone	Date	Year	Immunization Type	Coverage Rate	
2	Z1	South Zone	2008-01-01	2008	DTaP-IPV-Hib Dose 1 by Age 2	93	
3	Z1	South Zone	2008-01-01	2008	DTaP-IPV-Hib Dose 2 by Age 2	92	
4	Z1	South Zone	2008-01-01	2008	DTaP-IPV-Hib Dose 3 by Age 2	90	
5	Z1	South Zone	2008-01-01	2008	DTaP-IPV-Hib Dose 4 by Age 2	76.2	
6	Z1	South Zone	2009-01-01	2009	DTaP-IPV-Hib Dose 1 by Age 2	92.8	
7	Z1	South Zone	2009-01-01	2009	DTaP-IPV-Hib Dose 2 by Age 2	91.5	
8	Z1	South Zone	2009-01-01	2009	DTaP-IPV-Hib Dose 3 by Age 2	89.7	
9	Z1	South Zone	2009-01-01	2009	DTaP-IPV-Hib Dose 4 by Age 2	74.8	
10	Z1	South Zone	2010-01-01	2010	DTaP-IPV-Hib Dose 1 by Age 2	92.1	
11	Z1	South Zone	2010-01-01	2010	DTaP-IPV-Hib Dose 2 by Age 2	90.7	
12	Z1	South Zone	2010-01-01	2010	DTaP-IPV-Hib Dose 3 by Age 2	88.6	
13	Z1	South Zone	2010-01-01	2010	DTaP-IPV-Hib Dose 4 by Age 2	68	
14	Z1	South Zone	2011-01-01	2011	DTaP-IPV-Hib Dose 1 by Age 2	90.8	
15	Z1	South Zone	2011-01-01	2011	DTaP-IPV-Hib Dose 2 by Age 2	88.3	
16	Z1	South Zone	2011-01-01	2011	DTaP-IPV-Hib Dose 3 by Age 2	84.8	
17	Z1	South Zone	2011-01-01	2011	DTaP-IPV-Hib Dose 4 by Age 2	65.5	
18	Z1	South Zone	2012-01-01	2012	DTaP-IPV-Hib Dose 1 by Age 2	89.8	
19	Z1	South Zone	2012-01-01	2012	DTaP-IPV-Hib Dose 2 by Age 2	87.5	
20	Z1	South Zone	2012-01-01	2012	DTaP-IPV-Hib Dose 3 by Age 2	84.8	

# Deal With Location First

DTaP-IPV-Hib\_vaccine\_coverage.xlsx - 3D Maps

FILE HOME

Play Tour Create Video Capture Screen New Scene Themes Scene Options Refresh Data Shapes Map Labels Flat Map Find Location Custom Regions 2D Chart Text Box Legend Time Line Date & Time Tour Editor Layer Pane Field List

Send Feedback

Field List

Drag fields to the Layer Pane.

- Range
  - Coverage Rate
  - Date
  - Geography
  - Health Zone
  - Immunization Type
  - Year

Layer 1

Data

Location

+ Add Field

Height

+ Add Field

Category

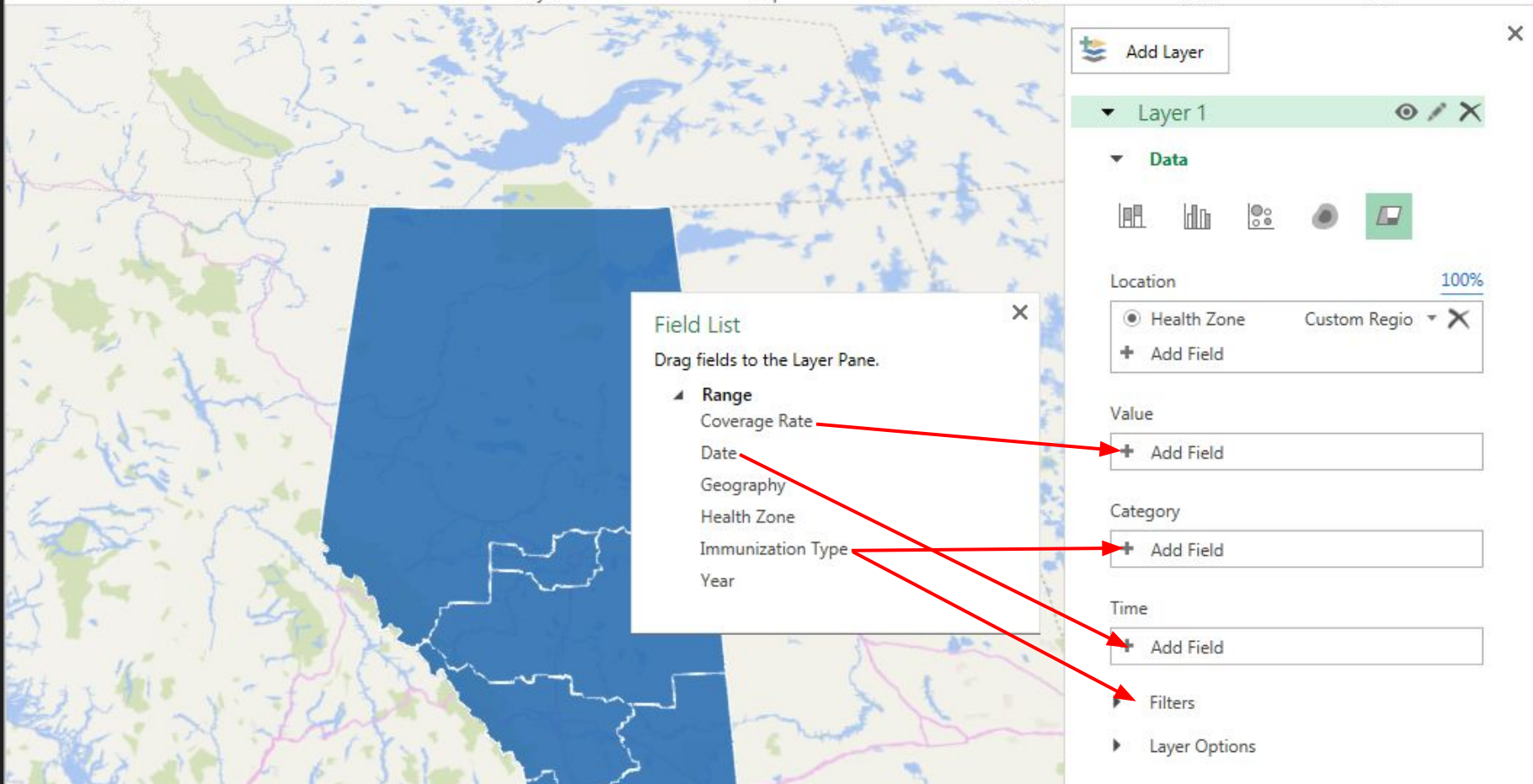
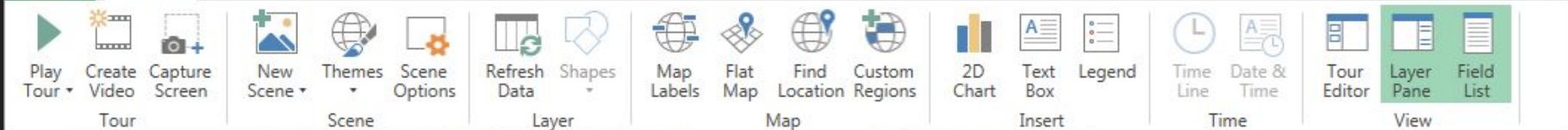
+ Add Field

Time

+ Add Field



## Add Other Fields



# Change How the Map & Data Display

The screenshot displays a GIS application interface. The top toolbar is organized into several groups: Tour (Play Tour, Create Video, Capture Screen), Scene (New Scene), Scene (Themes, Scene Options), Layer (Refresh Data, Shapes), Map (Map Labels, Flat Map, Find Location, Custom Regions), Insert (2D Chart, Text Box, Legend), Time (Time Line, Date & Time), and View (Tour Editor, Layer Pane, Field List). The 'Scene' group is highlighted with a red box. The main map area shows a geographical region with various data layers. The right-hand panel, titled 'Add Layer', shows the configuration for 'Layer 1'. It includes a 'Data' section with a 'Location' dropdown set to 'Health Zone' and a 'Value' dropdown set to 'Coverage Rate (Average)'. The 'Category' dropdown is set to 'Immunization Type'. The 'Time' dropdown is set to 'Date (Year)'. Below these, there is a 'Filters' section with an 'Add Filter' button. The 'Immunization Type' filter is selected, showing a 'Filtered' status. At the bottom, there are checkboxes for '(All)' and 'DTaP-IPV-Hib Dose 1 by Age 2', with the latter being checked.

**Toolbar Groups:**

- Tour:** Play Tour, Create Video, Capture Screen
- Scene:** New Scene
- Scene:** Themes, Scene Options
- Layer:** Refresh Data, Shapes
- Map:** Map Labels, Flat Map, Find Location, Custom Regions
- Insert:** 2D Chart, Text Box, Legend
- Time:** Time Line, Date & Time
- View:** Tour Editor, Layer Pane, Field List

**Layer 1 Configuration:**

- Data:**
  - Location:** Health Zone (Custom Region)
  - Value:** Coverage Rate (Average)
  - Category:** Immunization Type
  - Time:** Date (Year)
- Filters:**
  - Immunization Type:** Filtered
- Legend:**
  - ☒ (All)
  - ☒ DTaP-IPV-Hib Dose 1 by Age 2



# Display & Publish

The screenshot displays a GIS application interface with a map of a region, likely in the United States, showing various geographical features and data layers. The interface is divided into several sections:

- Top Toolbar:** Contains icons for various functions grouped into categories: Tour (Play Tour, Create Video, Capture Screen), Scene (New Scene), Scene Options (Themes, Scene Options), Layer (Refresh Data, Shapes), Map (Map Labels, Flat Map, Find Location, Custom Regions), Insert (2D Chart, Text Box, Legend), Time (Time Line, Date & Time), and View (Tour Editor, Layer Pane, Field List).
- Map:** The central area showing a map of a region with various geographical features and data layers. A red box highlights the 'Tour' group in the top toolbar.
- Right Panel (Layer 1):** Displays the selected layer and its properties.
  - Location:** Set to 'Health Zone' with a 'Custom Region' dropdown.
  - Value:** Set to 'Coverage Rate (Average)'.
  - Category:** Set to 'Immunization Type'.
  - Time:** Set to 'Date (Year)'.
- Filters:** A section for applying filters to the data.
  - Immunization Type:** Filtered.
  - (All):** A checkbox for selecting all data.
  - DTaP-IPV-Hib Dose 1 by Age 2:** A checkbox for selecting this specific data series.