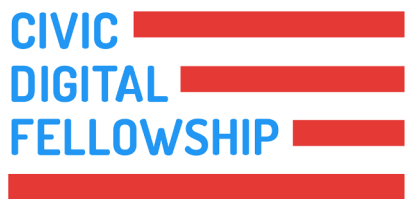


NIH Employees Do Not (Always) Belong in Spreadsheets

Common Fund, Office of the Director
George Bramhall — Budget Analyst



Sam Craig
Oberlin College and Conservatory
Computer Science and Double Bass
Performance

What?

2020









Office of Personnel Management
Federal Employee Viewpoint Survey
Empowering Employees. Inspiring Change.

Governmentwide Management Report

Sample Questions



- My organization has prepared employees for potential security threats.
- Employees have a feeling of personal empowerment with respect to work processes.
- Promotions in my work unit are based on merit.
- Managers promote communication among different work units (for example, about projects, goals, needed resources).
- Awards in my work unit depend on how well employees perform their jobs.

What is Wrong? (1/2)

Name	Date modified	Type	Size
 2016	6/17/2021 4:39 PM	Microsoft Excel W...	35 KB
 2017	7/13/2021 10:04 AM	Microsoft Excel W...	41 KB
 2018	6/17/2021 4:41 PM	Microsoft Excel W...	37 KB
 2019	6/17/2021 4:42 PM	Microsoft Excel W...	1,015 KB
 2019-raw	6/21/2021 3:46 PM	Microsoft Excel W...	47 KB
 2020-final	6/17/2021 4:57 PM	Microsoft Excel W...	722 KB
 2020-original-evs-art	7/15/2021 12:01 PM	Microsoft Excel W...	733 KB
 2020-raw	6/16/2021 10:41 AM	Microsoft Excel W...	497 KB

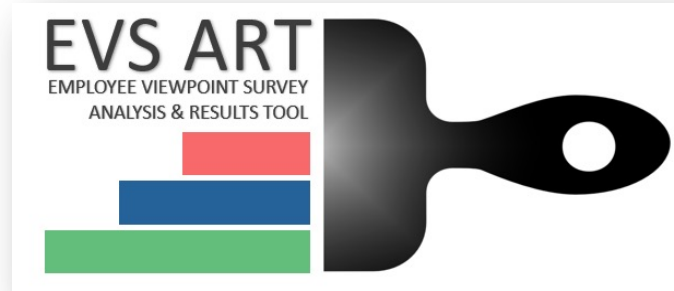
Survey results provided in a separate file each year with inconsistent format

What is Wrong? (2/2)

Name	Date modified	Type	Size
 2019-surveymonkey	6/16/2021 10:27 AM	Microsoft Excel Co...	27 KB
 2020-surveymonkey	6/15/2021 3:29 PM	Microsoft Excel Co...	26 KB

Office wants to integrate contractor results

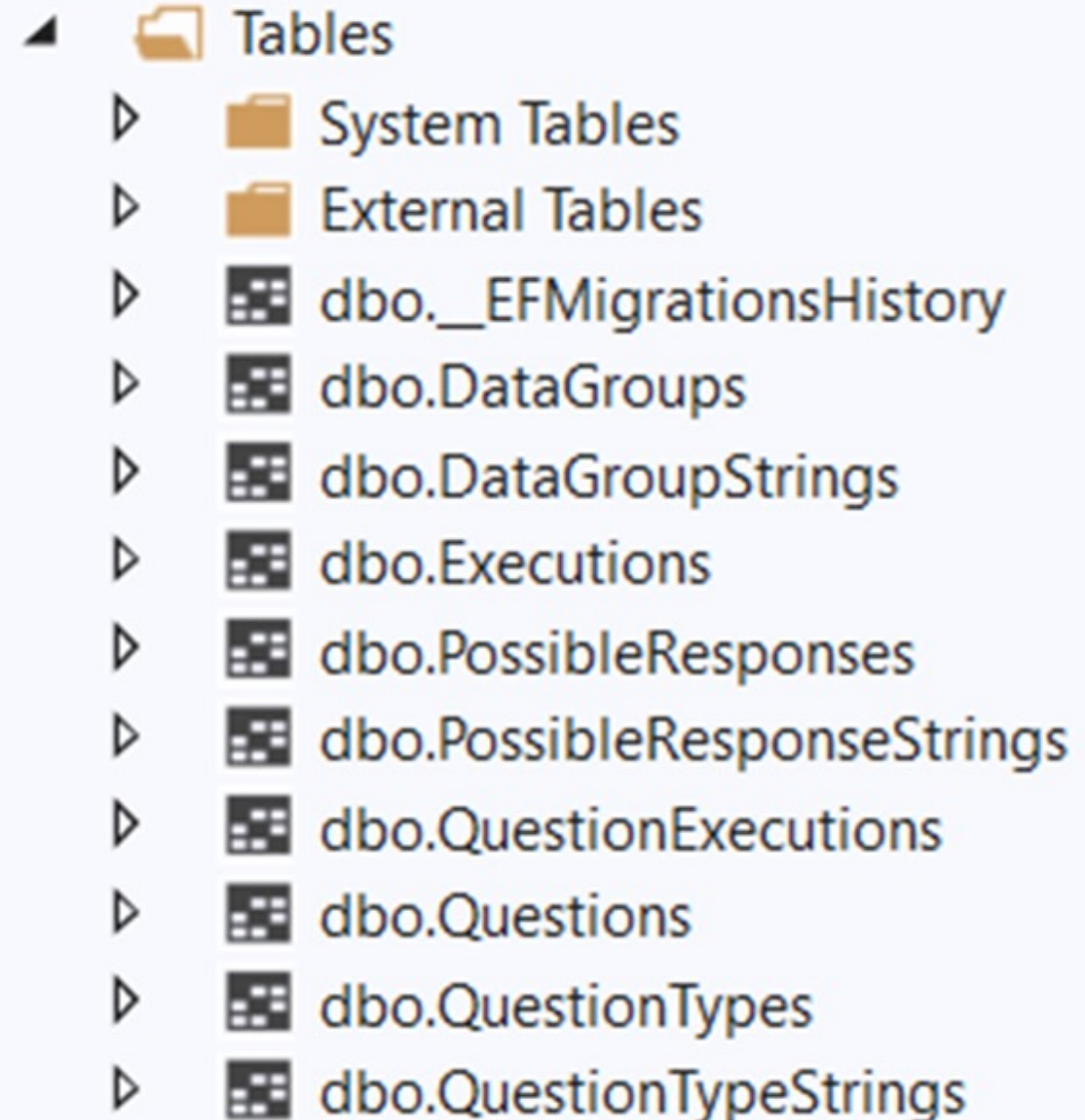
EVS ART



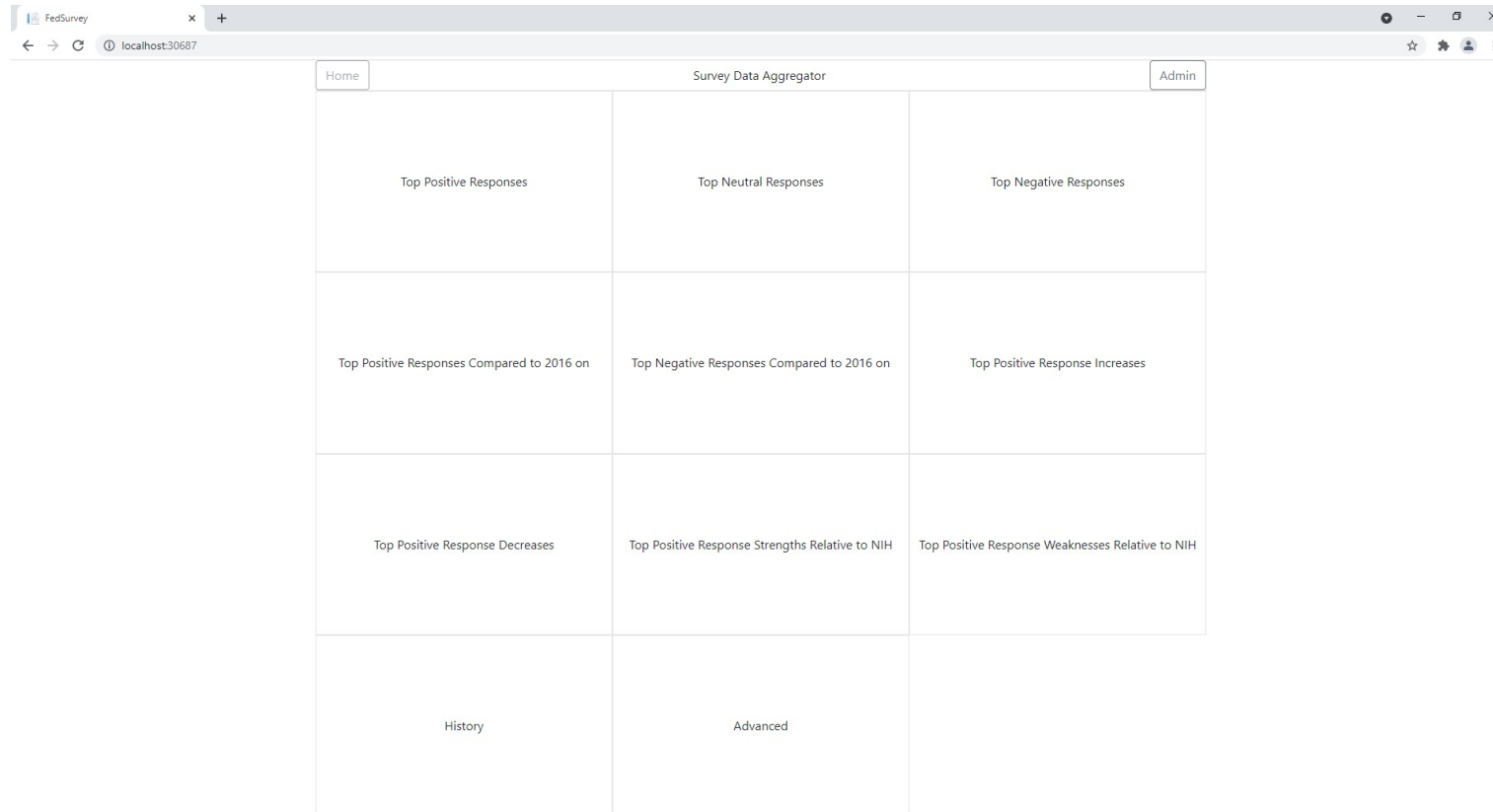
- Current NIH solution
- New spreadsheet every year

Ways to Help (1/3)

- Combine the data into a single database that has easy upload for future years

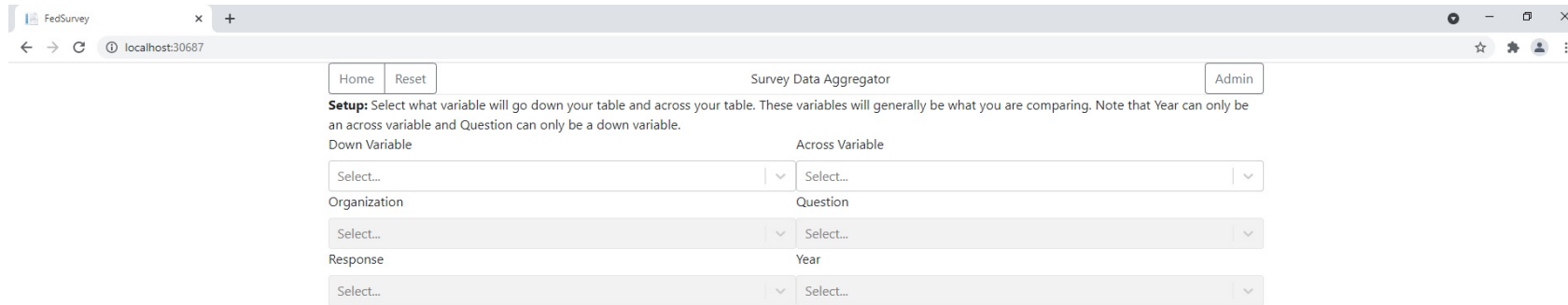


Ways to Help (2/3)



Provide customizable default view of data that get you what you need to know

Ways to Help (3/3)



The screenshot shows a web browser window with the address bar displaying 'localhost:30687'. The page title is 'Survey Data Aggregator'. At the top, there are buttons for 'Home', 'Reset', and 'Admin'. Below these, a 'Setup' section provides instructions: 'Select what variable will go down your table and across your table. These variables will generally be what you are comparing. Note that Year can only be an across variable and Question can only be a down variable.' The interface is divided into two columns: 'Down Variable' and 'Across Variable'. Each column contains three rows of dropdown menus, labeled 'Organization', 'Response', and 'Year' on the left, and 'Question' on the right. All dropdown menus currently show 'Select...'.

Survey Data Aggregator		
Home	Reset	Admin
Setup: Select what variable will go down your table and across your table. These variables will generally be what you are comparing. Note that Year can only be an across variable and Question can only be a down variable.		
Down Variable	Across Variable	
Select...	Select...	
Organization	Question	
Select...	Select...	
Response	Year	
Select...	Select...	

Generic Solution

- Built for Common Fund
- Available to all agencies
- scraig@oberlin.edu
- GitHub: <https://github.com/NIH-CIF/FedSurvey>