EPEC-MVP Value-Added Analyses and Datasets Help Answer…

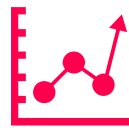…Understand registration validation checks?

…how my qualified organization can acquire value-added analysis products to understand and promote voting processes?

…Better Understand Absentee Ballot Statuses?

…Track Daily Absentee List (DAL) categories in graphs and see analysis of how ballots are tracked?

…Know Who Has/Has Not Returned a Ballot?

…take action with my findings?

…Check for possible duplicate voter IDs?

EPEC DATA FOR VOTERS
ELECTORAL PROCESS EDUCATION CORP.

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Overview: MVP Subscription of EPEC Analysis

- EPEC's 501 c(3) mission is to educate the public about election technology and encourage participation in the electoral Process.

- As a non-partisan charity, EPEC greatly appreciates your interest in working with the unique IP we have created to help you understand the election process and promote voter participation.

- Your purchase helps us maintain that capability.

GENERAL OVERVIEW: MVP

1. **ELECT provides the data in a CSV file.**

2. EPEC has parsed this data into smaller CSV files separated by **Locality, Congressional District, State House District, State Senate District, and City**.

3. **EPEC augments the data provided from ELECT with additional value-added intellectual property in order to aid in further analysis (described in full in the "README" files in all directories).**

3. **An MVP subscription enables you to access data analysis for a LOCALITY or by LOCALITY, with similar analyses for State House and State Senate Districts.**

4. **This value-added content is supplied as additional fields that are not normally present in the direct ELECT downloads. It is only for groups or organizations qualified to receive election data.**

5. **The unique analysis is provided in an encrypted, password-protected link after you have filled out the intake and attestation forms.**

Full README Explanatory Files are in All MVP Directories

- **EPEC is a nonpartisan, 501 c(3) nonprofit charity focused on voter participation and education and, like you, is qualified to receive voter data.**

- **The unique calculations and analyses that EPEC MVP provides includes Personally Identifiable Information (PII) about registrants and voters.**

- **A Non-Disclosure Agreement (NDA) is required to ensure the datasets are protected under our privacy obligations as organizations qualified to receive data for distinct election purposes. The NDA can be signed and uploaded in the Intake Form.**

- **The MVP Subscription analysis folders also provide unique summary data on process, and to help you understand the election process over time.**

MVP Analysis Files are Downloaded to Qualified User's Computer

📁 **File Station**

ⓘ **--File management and maintaining files in a secure fashion are key.**

--We recommend clearing out the "download" queue on your computer once the files have been saved to a secure location.

‹ › C 2023 › Analysis › DAL › metrics

Download Folder

Name	Size	File Typ
🖼 Daily_Absentee_List-metrics-logscale.png	121 KB	PNG Fil
⬜ Daily_Absentee_List-metrics.csv	631 Bytes	CSV Fil
🖼 Daily_Absentee_List-metrics.png	113.4 KB	PNG Fil
⬜ Daily_Absentee_List-metrics.WPVisPro.csv	751 Bytes	CSV Fil
⬜ Daily_Absentee_List-metrics.WPVisPro.logscale.csv	813 Bytes	CSV Fil
▤ EPEC Data Package Readme.txt	14 KB	TXT Fil

Legend for MVP Subscription Files

1. DAL = CSV/Excel value-added analysis to show process and completion rates

2. Disaffected Voters = voted VA primary, not general election (2022)

3. Quick Look = String Distance Calculations (checks for potentially duplicate voter IDs)

4. RVL_No-National = Comparison to National Change of Address (NCOA) database

5. RVL_Potential-name-change = RVL calculations checking for potential name-change clone pairs

6. RVL_Undefined/Protected = sorting for undefined protected status registrations

7. StringDist = String Distance full calculations

8. StringDistSummaries = Summary calculations checking for possible duplicates or multiple registrations

9. TrueNCOA = Comparisons of RVL with TrueNCOA database

10. EPEC Data Package Readme.txt = All Calculations explained

2023 › Analysis

Download Folder

Name

1 DAL
2 Disaffected_Voters
3 Quick Look
4 RVL_No-National-Address-Database-Match
5 RVL_potential-name-change-clones
6 RVL_UndefinedProtectedStatus
7 StringDist
8 StringDistSummaries
9 TrueNCOA
10 EPEC Data Package Readme.txt

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Other Summary Analysis: By Mail Subprocess – Normal vs UOCAVA Voters
Source: Daily Absentee List dtd 23 Nov 2022

Application Status	Approved									Untabulated	111184
	677487	106	45807	248809	29387	68260	4349	9022	149	17	1083393

Transactions	Application Status										
Voter Type	On Machine	FWAB	Marked	Pre-Processed	Deleted	Issued	Provisional	Unmarked	Late	Not Issued	Grand Total
All Others	671472	4	42573	245386	27811	63416	4327	8855	146	9	1063999
MILITARY	5140	34	820	1352	588	1748	20	129	2	4	9837
OVERSEAS	817	58	1944	1668	794	2509	2	28	1	4	7825
Temp (Fed Only	58	10	470	403	194	587		10			1732

Best Cast	Counted	Not Counted	Maybe	% Success (Max)
Others	287963	100237	4327	74%
UOCAVA	6759	6598	22	51%

UOCAVA (Worst Case	Subgroup	Tabulated	Not Tabulated	% Success (Min)
	Others	287963	104564	73%
	UOCAVA	6759	6620	51%
	Military	2206	2491	47%
	Overseas	3670	3338	52%
	Temp	883	791	53%

Note: Actual tabulation status of Provisionals is unknown. Best case - all Provisionals are tabulated; Worst case – no Provisionals are tabulated; the actual % success rate will be somewhere between the two extremes

Other Examples: Daily DAL Summary Results
Source: Daily Absentee List dtd 23 Nov 2022

Example: Interactive Data for Deep Dives into Voter List Analysis
Source: Virginia Dept. of Elections

EPEC Voter List Analysis: Possible Multiple Voter Registrations

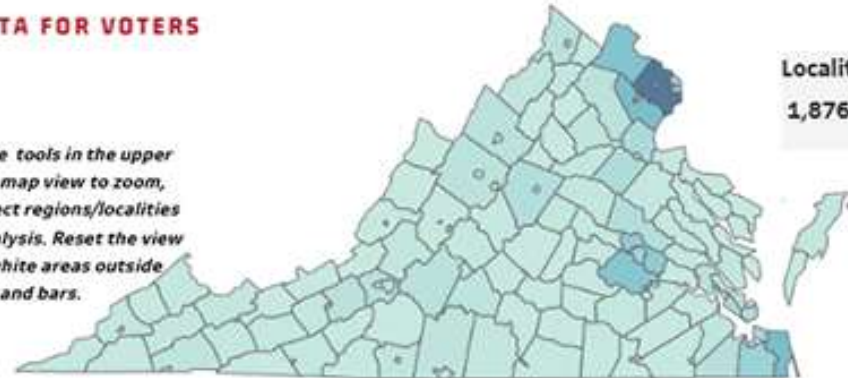Stacked Bar Charts Break Down the Types of Matches Found. | EPEC's Methodology | How EPEC Categorizes the Match Categories

Virginia Voting Localities

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ToolTip! Mouse Over & Click Localities and E... in the Dashboard for more data
Click on white space outside map to reset vi... for maps/barcharts

Locality Total Voters by Color Saturat...
1,876   782,843

Tool Tip! Use the tools in the upper left area of the map view to zoom, pan, lasso or select regions/localities to review the analysis. Reset the view by clicking in white areas outside maps and bars.
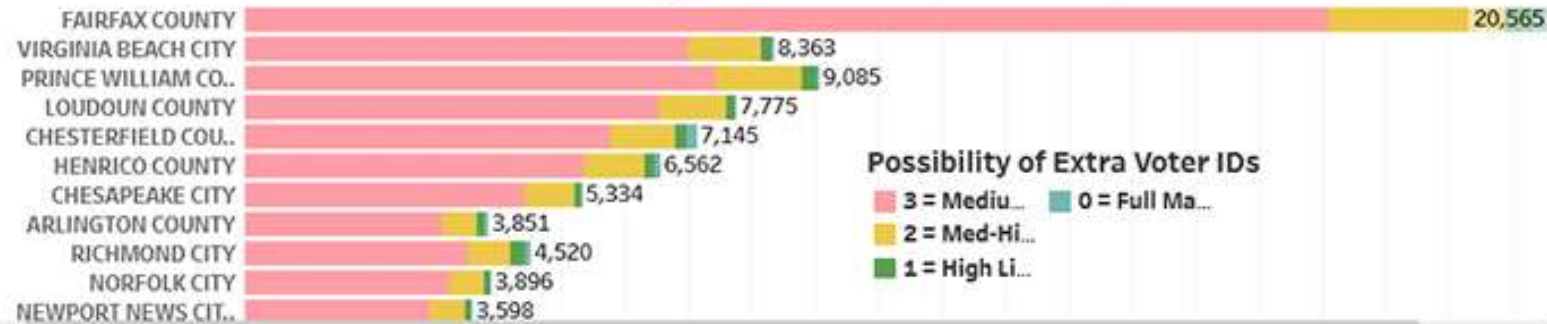
Questionable Registrations That May Show Multiple IDs

Locality	Value
FAIRFAX COUNTY	20,565
VIRGINIA BEACH CITY	8,363
PRINCE WILLIAM CO..	9,085
LOUDOUN COUNTY	7,775
CHESTERFIELD COU..	7,145
HENRICO COUNTY	6,562
CHESAPEAKE CITY	5,334
ARLINGTON COUNTY	3,851
RICHMOND CITY	4,520
NORFOLK CITY	3,896
NEWPORT NEWS CIT..	3,598

Possibility of Extra Voter IDs

3 = Mediu...   0 = Full Ma...
2 = Med-Hi...
1 = High Li...

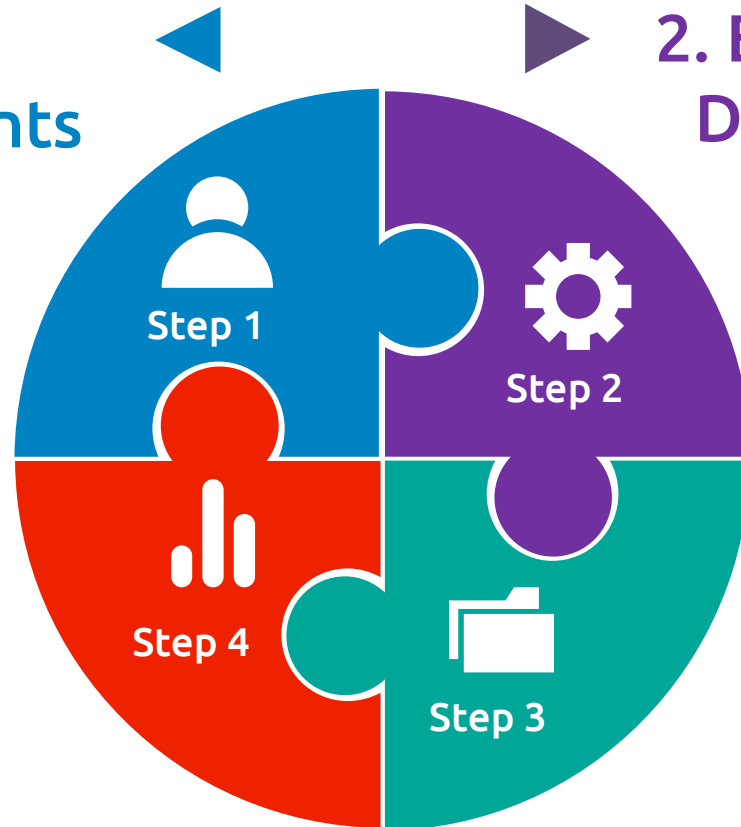+ableau

Costs & Price Points

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Compare Upfront	DIY	Subscription 1: Locality + Assembly Districts	Subscription 2: 1 Locality	Subscription 3: 1 Locality	Education: 1 Locality
Materials	Cost to Acquire Materials	All Qualified Customers	Locality Pop. >50,000	Locality Pop. < 50,000	Qualifying Nonprofits
Hardware/Servers/Software	$40,000	$0	$0	$0	$0
Registered Voter List (Dep. Of Elections; pre-voting)	$6,000	$0	$0	$0	$0
Registered Voter List (Dep. Of Elections; post-voting)	$6,000	$0	$0	$0	$0
Daily Absentee List	$,1000>	$0	$0	$0	$0
Voter History List	$6,000	$0	$0	$0	$0
Unique Analysis, Templates	$60,000>	$1200.00	$600.00	$300.00	300.00

EPEC's MVP Uses Unique IP to Analyze Election Data

1. Qualified groups sign nondisclosure agreements

2. EPEC Cleans and Preps Datasets with Analysis

Step 1

Step 2

Step 3

Step 4

4. Subscribers Provided secure access to directories. FAQs, Education & Support Provided

3. EPEC Team Applies Algorithms, Organizes Analysis in Directory Structure

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