



RCV Example

7 messages

Deutsch, Herb <hdeutsch@essvote.com>

Thu, May 3, 2018 at 2:30 PM

To: George Gilbert <george.gilbert@rankedchoicevoting.org>, "L. Massa-Lochridge" <lauren.massa.lochridge.sf@gmail.com>

Here's a ballot example of RCV. It shows 4 candidates, 10 ballots and 3 rounds. It doesn't have all the corner cases of unvoted choices, overvoted choices, duplicate choices, etc. But it does show the candidate that had the most votes in the 1st round losing. I've pasted the spread sheet in below as well as attached the file. I thought about sorting thing but the order would change between rounds. Maybe sorting the 1st round by choice but then keeping the order the same would be best. Does this make sense?

Ballot #	Round 1				Round 2				Round 3			
	1st Choice	2nd Choice	3rd Choice	4th Choice	1st Choice	2nd Choice	3rd Choice	4th Choice	1st Choice	2nd Choice	3rd Choice	4th Choice
1	A	B	C	D	A	B	C	D	A	B	C	D
2	B	A	D	C	B	A	D	C	B	A	D	C
3	C	B	A	D	C	B	A	D	B	A	D	
4	A	C	B	D	A	C	B	D	A	C	B	D
5	B	C	A	D	B	C	A	D	B	C	A	D
6	A	C	B	D	A	C	B	D	A	C	B	D
7	B	A	C	D	B	A	C	D	B	A	C	D
8	D	B	A	C	B	A	C		B	A	C	

6	A	C	B	D	A	C	B	D	A	C	B	D
10	A	B	C	C	A	B	C	C	A	B	C	C
2	B	A	D	C	B	A	D	C	B	A	D	C
5	B	C	A	D	B	C	A	D	B	C	A	D
7	B	A	C	D	B	A	C	D	B	A	C	D
3	C	B	A	D	C	B	A	D	B	A	D	
9	C	B	A	D	C	B	A	D	B	A	D	
8	D	B	A	C	B	A	C		B	A	C	
Cand	Total	%	Transfer		Total	%	Transfer		Total	%	Transfer	
A	4	40%			4	40%			4	40%		
B	3	30%	1		4	40%	2		6	60%		
C	2	20%			2	20%	-2		0			
D	1	10%	-1		0				0			

From: Deutsch, Herb
Sent: Thursday, May 03, 2018 4:31 PM
To: 'George Gilbert'; 'L. Massa-Lochridge'
Subject: RCV Example

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[illegible]

10	A	B	C	C	A	B	C	C	A	B	C	C
2	B	A	D	C	B	A	D	C	B	A	D	C
5	B	C	A	D	B	C	A	D	B	C	A	D
7	B	A	C	D	B	A	C	D	B	A	C	D
3	C	B	A	D	C	B	A	D	B	A	D	
9	C	B	A	D	C	B	A	D	B	A	D	
8	D	B	A	C	B	A	C		B	A	C	
Cand	Total	%	Transfer		Total	%	Transfer		Total	%	Transfer	
A	4	40%			4	40%			4	40%		
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C	2	20%			2	20%	-2		0			
D	1	10%	-1		0				0			

 **RCV Tabulation Tests.xlsx**
17K

Deutsch, Herb <hdeutsch@essvote.com>
To: George Gilbert <george.gilbert@rankedchoicevoting.org>
Cc: "L. Massa-Lochridge" <lauren.massa.lochridge.sf@gmail.com>

Fri, May 4, 2018 at 9:53 AM

I see how your preserved the original format. I too have mixed emotions. The RCV format I used seems much simpler and it’s easier to follow from 1 round to the next. It sort of is based on the Excel format that we export. I certainly can add missing votes, overvotes and duplicate votes. Probably will need more ballots to do that (maybe 20). I’ll also have to think more about this.

In the meantime I’ve added a third tab to the original spread sheet to show Open Primary with and without a Party Preference contest. I moved the example list to the top for both straight party as well as this new one. I tried to show a normal ballot with different party votes with and without the Party Preference (PP) contest to show that it’s presence or absence is not significant UNLESS there is a crossover. I then show its presence with different voting patterns (valid and not) in the crossover case. I think the 7 examples are sufficient to illustrate the different scenarios. Looking for agreement or disagreement.

From: George Gilbert [mailto:george.gilbert@rankedchoicevoting.org]
Sent: Thursday, May 03, 2018 7:44 PM
To: Deutsch, Herb
Cc: L. Massa-Lochridge
Subject: Re: RCV Example

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I preserved the basic format of your original tables, which may have some merit. I'm not wedded to it. See what you think and I will give your format more thought.

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George Gilbert

RCV Resource Center

george.gilbert@rankedchoicevoting.org

336-906-0047

On Thu, May 3, 2018 at 5:43 PM, Deutsch, Herb <hdeutsch@essvote.com> wrote:

Here's the same spread sheet sorted by first choice round 1. There was also an error in the count for B round 3. It should have showed 6 but the % was correct.

[illegible]

2	B	A	D	C	B	A	D	C	B	A	D	C
3	C	B	A	D	C	B	A	D	B	A	D	
4	A	C	B	D	A	C	B	D	A	C	B	D
5	B	C	A	D	B	C	A	D	B	C	A	D
6	A	C	B	D	A	C	B	D	A	C	B	D
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To: "Deutsch, Herb" <hdeutsch@essvote.com>
Cc: Lauren Massa-Lochridge <lauren.massa.lochridge.sf@gmail.com>

Fri, May 4, 2018 at 10:20 AM

Yeah this morning I was thinking that there would be some real advantages to structuring it very much like your CVR. That way the test pattern could be the test vote as well, at least for E S & S data and it wouldn't take much to convert it to other vendor formats.

A few countif macros would make it pretty easy to keep straight.

On Fri, May 4, 2018, 12:53 PM Deutsch, Herb <hdeutsch@essvote.com> wrote:

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Fri, May 4, 2018 at 10:25 AM

I also think rather than trying to include all variants in a single data set we might consider multiple 10 ballot datasets for different variant tests as I did with the overvote set.

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L. Massa-Lochridge <lauren.massa.lochridge.sf@gmail.com>
To: George Gilbert <george.gilbert@rankedchoicevoting.org>, "Deutsch, Herb" <hdeutsch@essvote.com>

Thu, May 17, 2018 at 10:34 AM

Hi Herb and George,

Are there any updates you have for me to put on the shared drive for today's meeting?

Thanks,
-Lauren

WARNING CONFIDENTIAL: Your communicating with us or your use of this communication transmission or any information it contains or attaches or any email to us from you constitutes your express agreement to all of the following: This communication, its attachments, and any information it contains or that is shared with you are strictly confidential and you will NOT disclose, copy, or distribute this or any communication you have with us or any information any of our communications may contain. Taking any action in reliance on the contents of this transmission is strictly prohibited. This electronic transmission and any files or attachments are privileged and intended solely for the individual recipient or entity to whom they are addressed for the intended purpose of the sender only, and as a private strictly confidential communication only. If you have received this electronic transmission in error or are not the intended recipient then destroy all copies of files or attachments or information transmitted, without reading or using them, and notify the sender immediately.

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