UCP Leadership Scenarios

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2022-09-05

Sankey Diagrams for UCP Leadership Scenarios

I found `@JLisaYoung`'s tweet about potential outcomes of the UCP leadership race fascinating and so I wanted to contribute. Here's a brief overview of the steps that I undertook, along with the results.

Data

I downloaded the data from the google sheet found here as an Excel workbook, removed all of the rows above the data on each sheet, tweaked the sheet names, and deleted the surprise plot twist (only because I didn't know how to visualize it, not because it didn't intrigue me).

For the "Base Model Declining Subsequent" sheet I deleted the "Adjusted Final" column as I wanted to be consistent with the prior columns in that sheet.
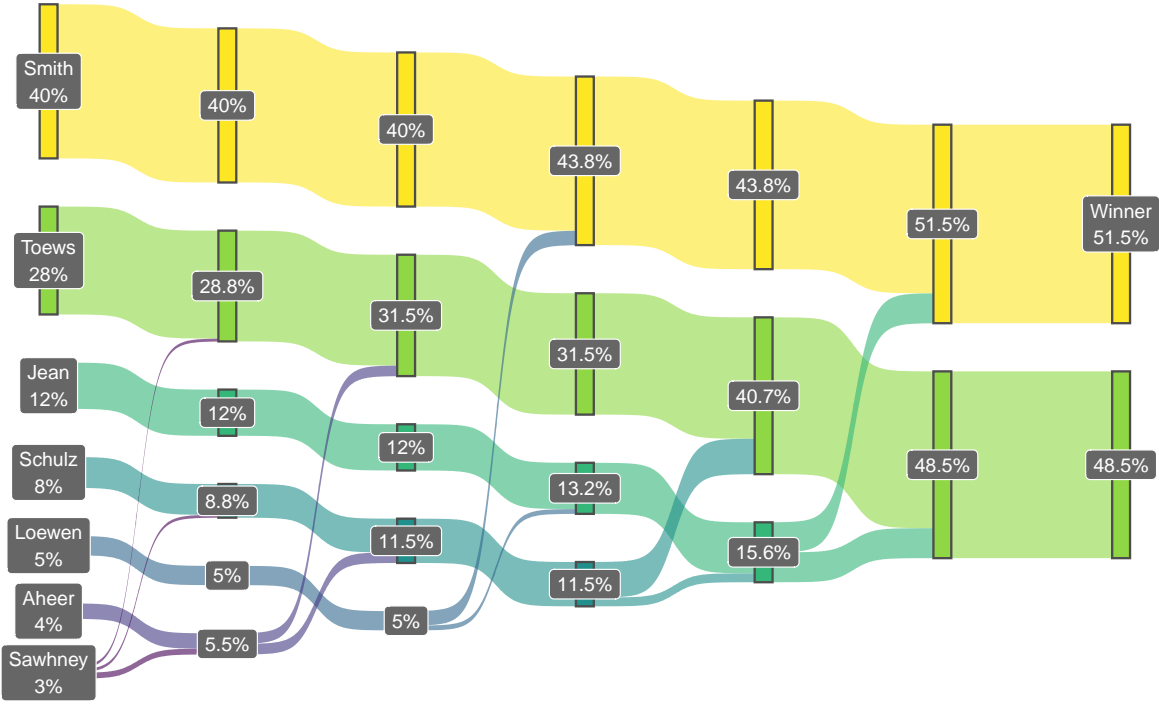
Processing and Visualizing

I wrote functions in R to read in the data and visualize it using David Sjoberg's `ggsankey` package (see here) for details. The functions I worte are contained in the `HelperFunctions.R` file in my GitHub repo for this project.
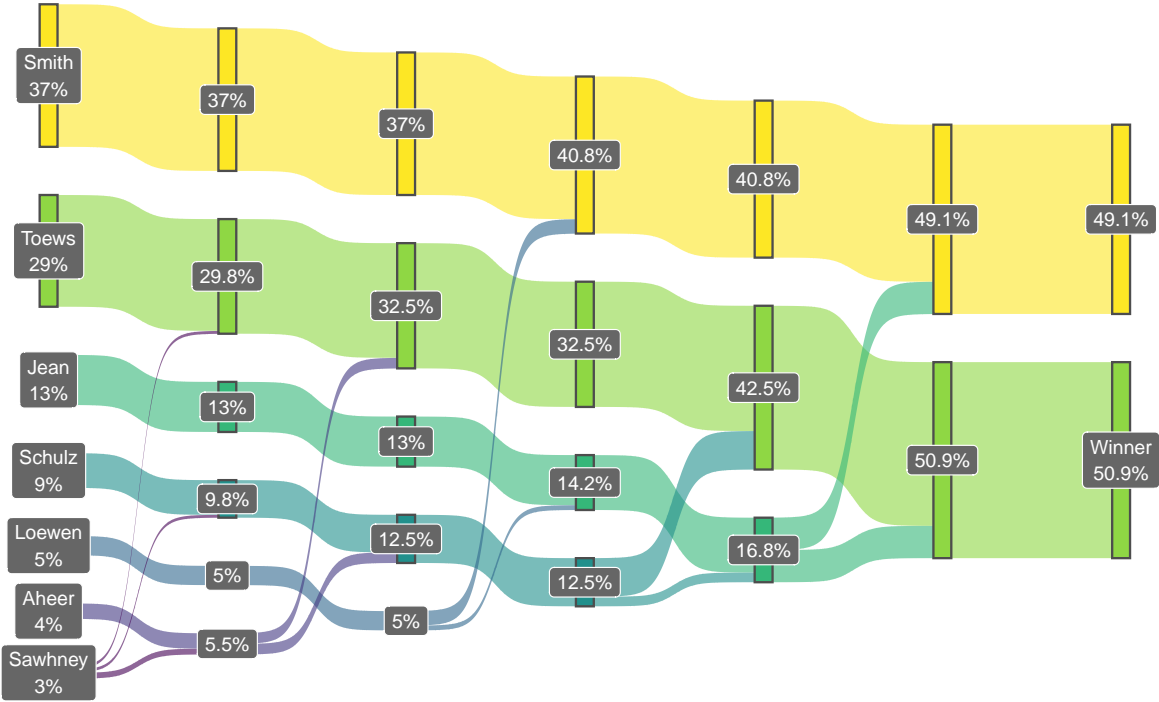
Results

Here are the Sankeys that were obtained for each of the different scenarios listed:

Base Model

Smith 40%
Toews 28%
Jean 12%
Schulz 8%
Loewen 5%
Aheer 4%
Sawhney 3%

40%
28.8%
12%
8.8%
5%
5.5%

40%
31.5%
12%
11.5%
5%

43.8%
31.5%
13.2%
11.5%

43.8%
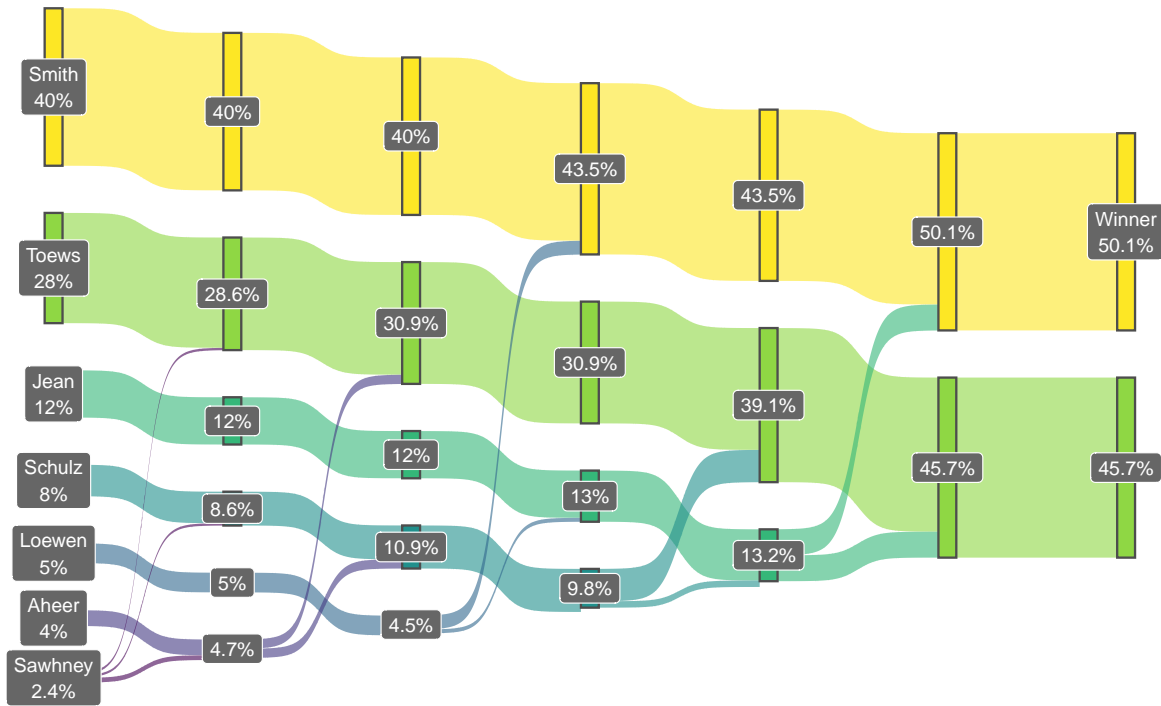40.7%
15.6%

51.5%
48.5%

Winner 51.5%
48.5%

Scenarios: @JLisaYoung
Visuals: @DrAOndrus

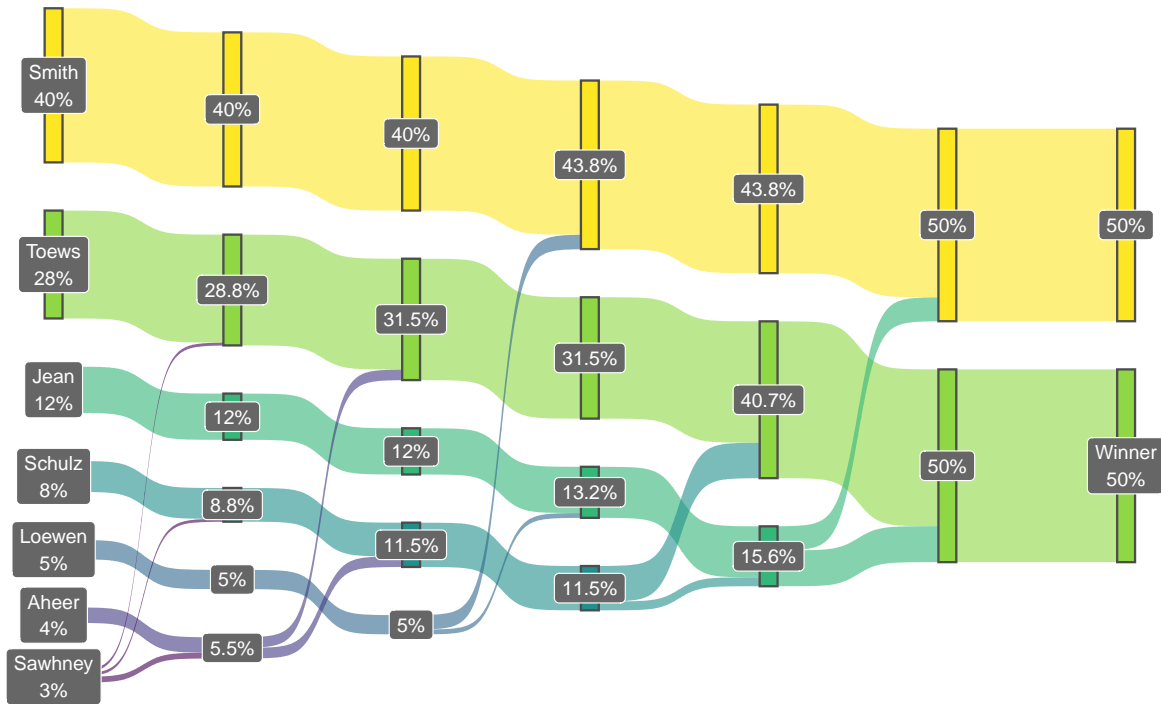# Base Model – Downgrade Smith

Scenarios: @JLisaYoung
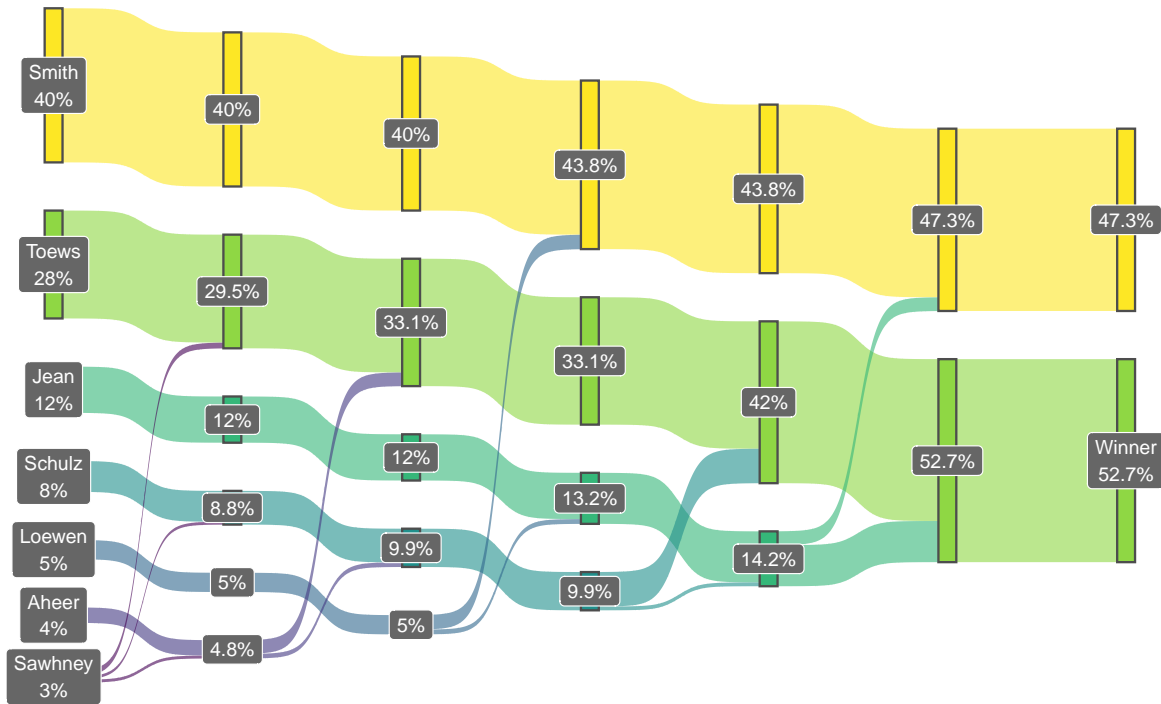Visuals: @DrAOndrus

Base Model Declining Subsequent

Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Jean Supporters Lean to Toews

Smith 40%
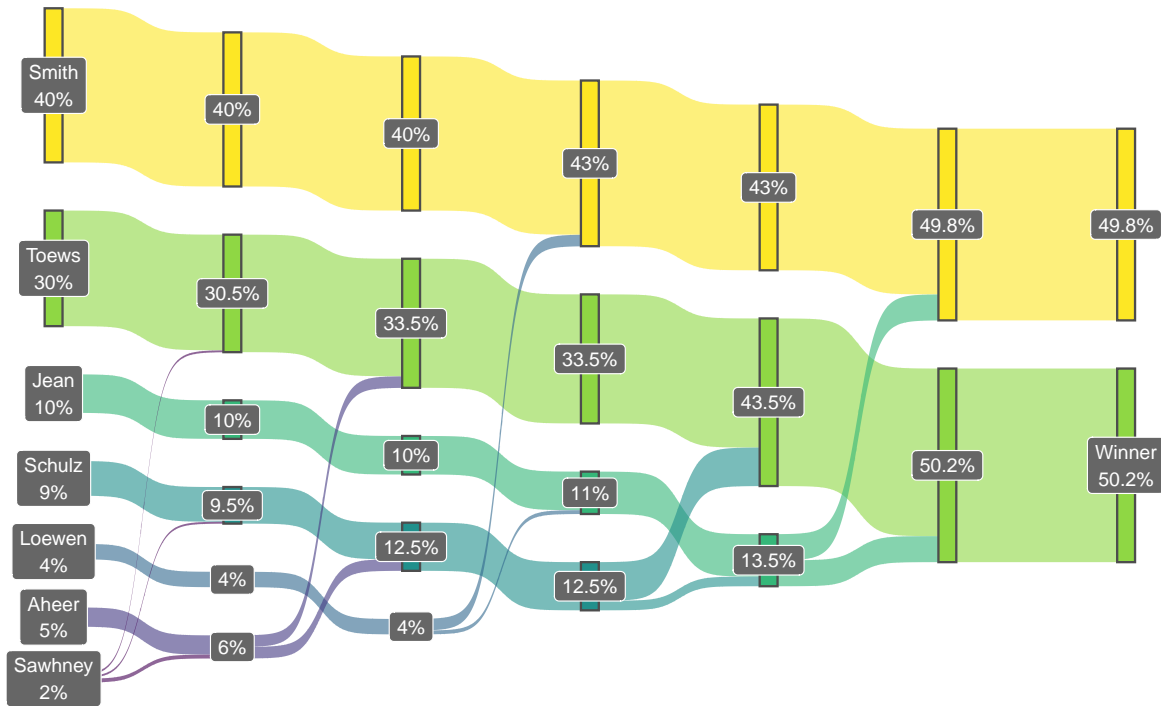Toews 28%
Jean 12%
Schulz 8%
Loewen 5%
Aheer 4%
Sawhney 3%

40% — 40% — 43.8% — 43.8% — 50% — 50%
28.8% — 31.5% — 31.5% — 40.7% — 50%
12% — 12% — 13.2% — 15.6%
8.8% — 11.5% — 11.5%
5% — 5%
5.5%

Winner 50%

Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Anybody but Smith Strategy

Smith 40%
Toews 28%
Jean 12%
Schulz 8%
Loewen 5%
Aheer 4%
Sawhney 3%

40%
29.5%
12%
8.8%
5%
4.8%

40%
33.1%
12%
9.9%
5%

43.8%
33.1%
13.2%
9.9%

43.8%
42%
14.2%

47.3%
52.7%

47.3%
Winner 52.7%

Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Strong Toews 1st Ballot

Smith 40%
Toews 30%
Jean 10%
Schulz 9%
Loewen 4%
Aheer 5%
Sawhney 2%

40%
40%
40%
43%
43%
49.8%
49.8%

30.5%
33.5%
33.5%
43.5%
50.2%

Winner 50.2%

10%
10%
11%
13.5%

9.5%
12.5%
12.5%

4%
4%

6%

Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Strong Smith 1st Ballot

Smith
43%

43%

43%

46%

46%

52.6%

Winner
52.6%

Toews
28%

28.8%

31.5%

31.5%

40.7%

47.4%

47.4%

Jean
10%

10%

10%

11%

13.3%

Schulz
8%

8.8%

11.5%

11.5%

Loewen
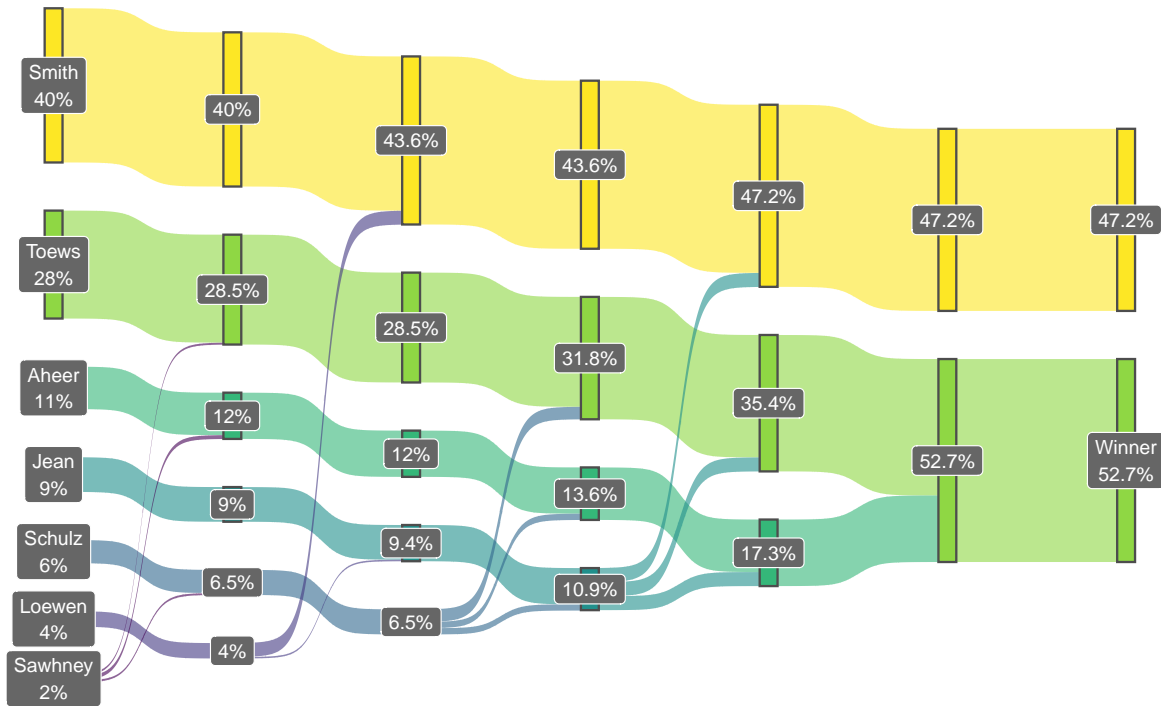4%

4%

4%

Aheer
4%

5.5%

Sawhney
3%
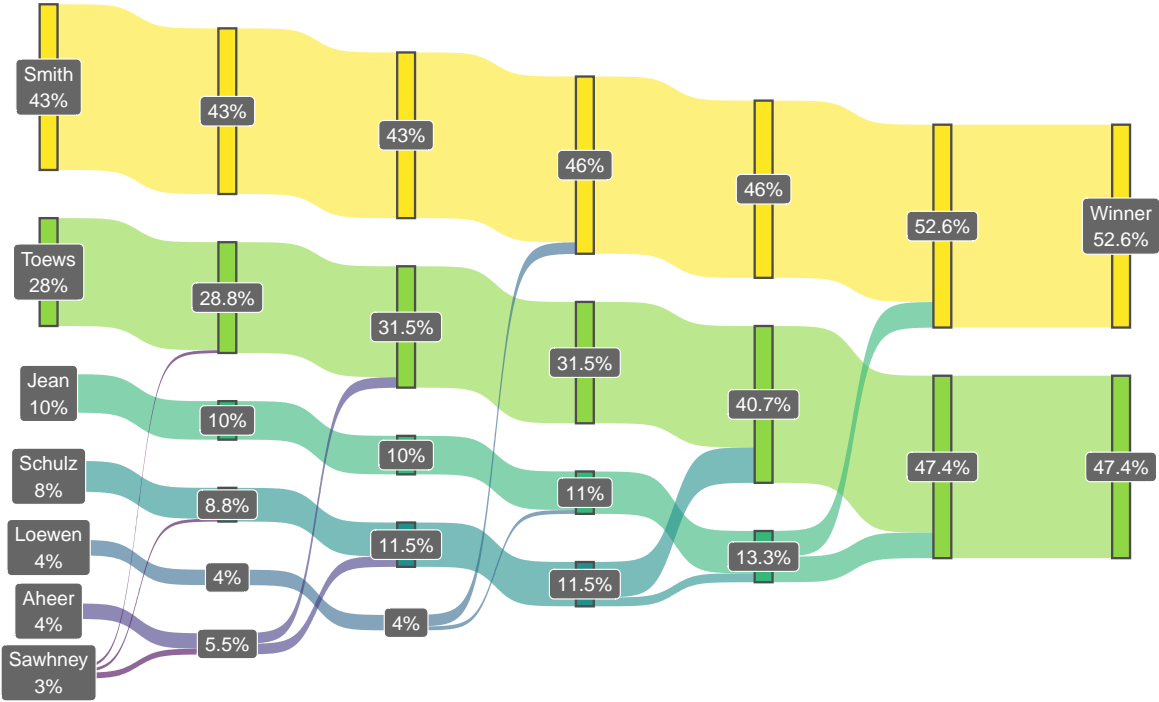
Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Aheer Overperforms Expectations
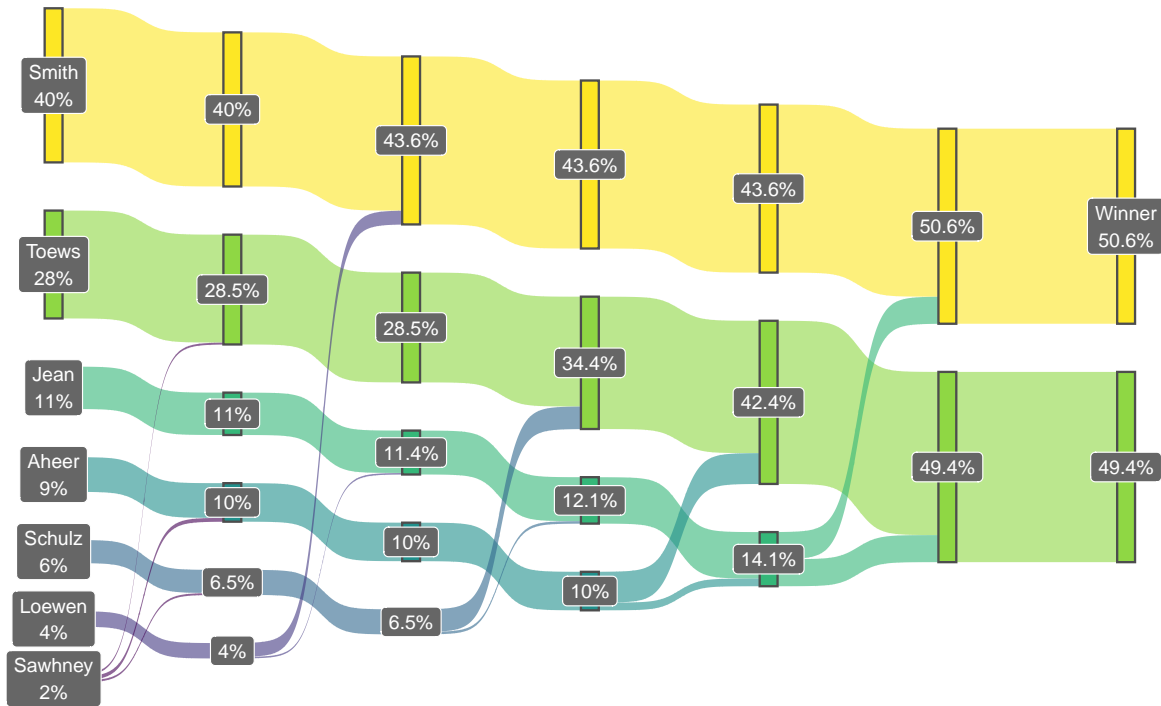
Scenarios: @JLisaYoung
Visuals: @DrAOndrus

Aheer REALLY Overperforms

Scenarios: @JLisaYoung
Visuals: @DrAOndrus