



This screenshot illustrates the data model created to support this dashboard. Most of the tables represented here are directly from the SKY API (Raiser's Edge). The fact tables were generated in Power BI using SKY API data.

```

1 factAEM = UNION(
2     SELECTCOLUMNS(
3         FILTER(factGifts,
4             factGifts[constituent_id] IN
5                 SELECTCOLUMNS(
6                     FILTER(dimConsCodes,
7                         dimConsCodes[Constituency] = "Alumnus/Alumna"
8                     ),
9                     "constituent_id", dimConsCodes[constituent_id]
10                )
11            ),
12         "id", factGifts[gift_id],
13         "constituent_id", factGifts[constituent_id],
14         "category", "Philanthropy (AEM)",
15         "date", factGifts[date]
16     ),
17     SELECTCOLUMNS(
18         FILTER(factGifts,
19             factGifts[soft_credits.constituent_id] IN
20                 SELECTCOLUMNS(
21                     FILTER(dimSoftCreditConsCodes,
22                         dimSoftCreditConsCodes[Constituency] = "Alumnus/Alumna"
23                     ),
24                     "constituent_id", dimSoftCreditConsCodes[constituent_id]
25                )
26            ),
27         "id", factGifts[soft_credits.gift_id],
28         "constituent_id", factGifts[soft_credits.constituent_id],
29         "category", "Philanthropy (AEM)",
30         "date", factGifts[date]
31     ),
32     SELECTCOLUMNS(
33         dimCustomFields,
34         "id", dimCustomFields[constituent_custom_field_id],
35         "constituent_id", dimCustomFields[constituent_id],
36         "category", dimCustomFields[category],
37         "date", dimCustomFields[date]
38     ),
39     SELECTCOLUMNS(
40         FILTER(factParticipants_PowerAutomate,
41             factParticipants_PowerAutomate[constituent_id] IN
42                 SELECTCOLUMNS(
43                     FILTER(dimConsCodes,
44                         dimConsCodes[constituency] = "Alumnus/Alumna"
45                     ),
46                     "constituent_id", dimConsCodes[constituent_id]
47                )
48            ),
49         "id", factParticipants_PowerAutomate[participant_id],
50         "constituent_id", factParticipants_PowerAutomate[constituent_id],
51         "category", factParticipants_PowerAutomate[category],
52         "date", factParticipants_PowerAutomate[date]
53     )
54 )

```

This code snippet is an example of how the primary fact table was generated, using UNION to join together multiple tables to create one main fact table.