

**Project Goal:** To create a program that can effectively plan the seating of a wedding

**Motivation:** It can be difficult to figure out where to seat all the guests of a wedding, this optimization tool will efficiently seat people based on their age, members they don't want to sit with, and relation to the bride and groom

**Methods:** Use the evo framework for evolutionary computing

Create objective functions to score different seating charts and find the non-dominated set

**Preliminary Conclusions:**

- Tradeoffs for objective function scores– what's more important to a good wedding seating chart?
- 5 objective functions
  - Preferences, kids, “enemies”, connections, allergies



**Example solution:**

1	25,17,9,24,11
2	15,23,1,21,7
3	12,8,18,4,16
4	10,14,6,3,22
5	13,2,20,5,19