**Project Scope**

**Idea 1: When to book?**

**Input**: Airport from and to, dates of future travel

**Output**: A graph indicating based on historical data, what would have been the best time to book (buy) the ticked and makes a prediction as to what would be the best time for now to make the booking.

**Data requirements**: Price tracker that stores on a daily basis, future flight prices on direct routes or an existing dataset that has historic prices per flight route. A formula will need to be applied to return flights (as you can’t just add-up one ways).

**Functionality**: Over time, fuctuation of a ticket prices will start to show paterns. A computer model can let a user know if when it’s the right time to book a ticket for a given date.

**Similar program:** <https://www.hopper.com/>

**Idea 2: Offset my carbon footprint!**

**Input**: Airport from and to (with option of layovers) + Aircraft type

**Output**: Carbon Footprint for (return) ticket

**Data requirements:** Program that computes distance flown \* carbon footprint per fly-mile (for a given aircraft type).

**Functionality**: It then offers (at time of booking) the option to buy an off-set package with 5 different ‘green companies’ that the money will go towards (that plant trees or something).

**Similar program**: <https://greentripper.org/>

(Optional add-ons based on duration of stay to compute more carbon footprint:

Rental car type and expected milages

Type of stay (hotel, airbnb) and time of stay (compute airconditioning / heating costs))