



Evaluating Carbon

Footprint and Travel

Expenses



Chris Burns



Travel Factors

Important factors for decision making

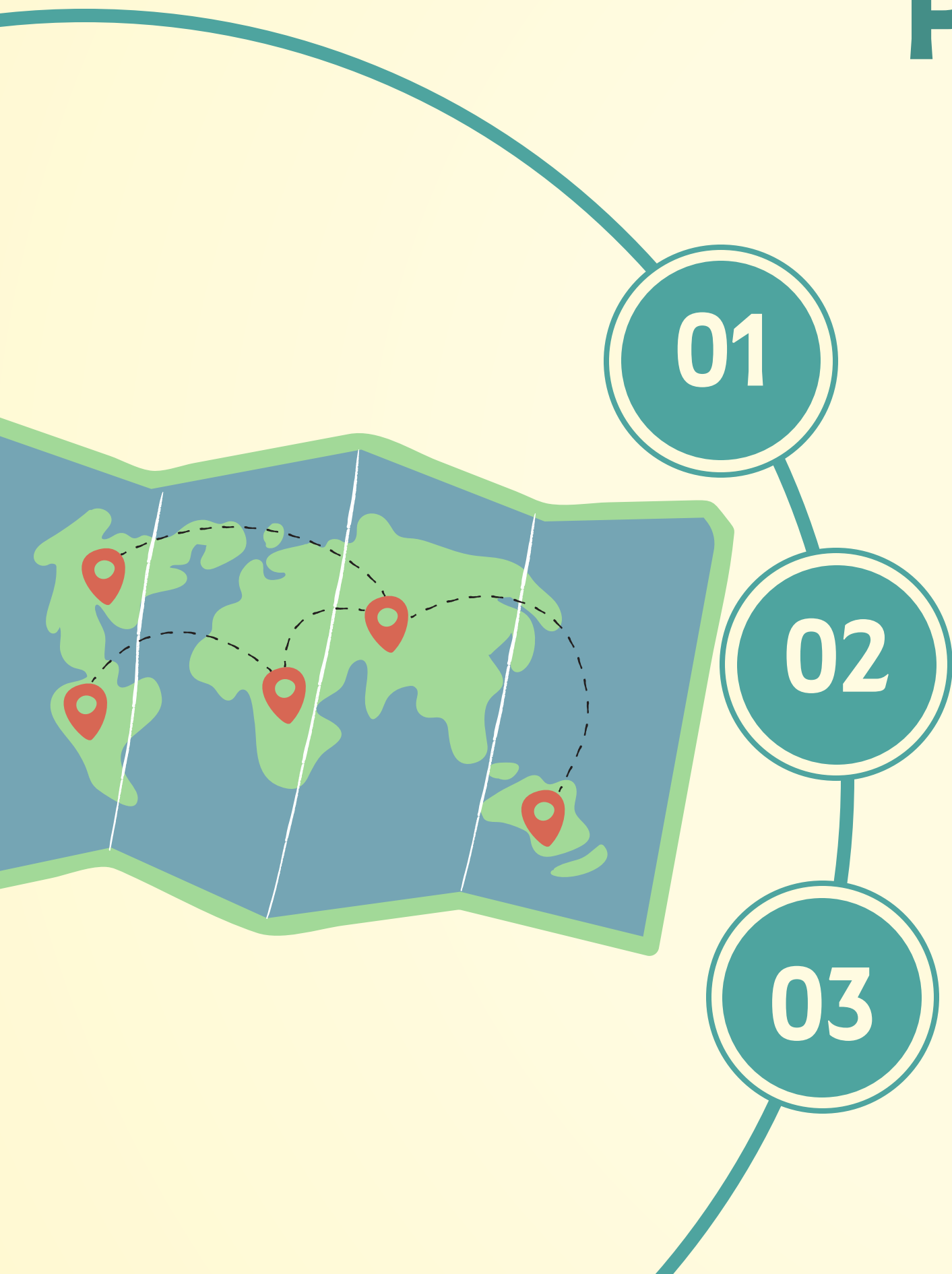


Cost

**Eco-
Friendly**

Time

Problems Of Carbon Footprint



Impact

Fossil Fuels
Greenhouse
Effect

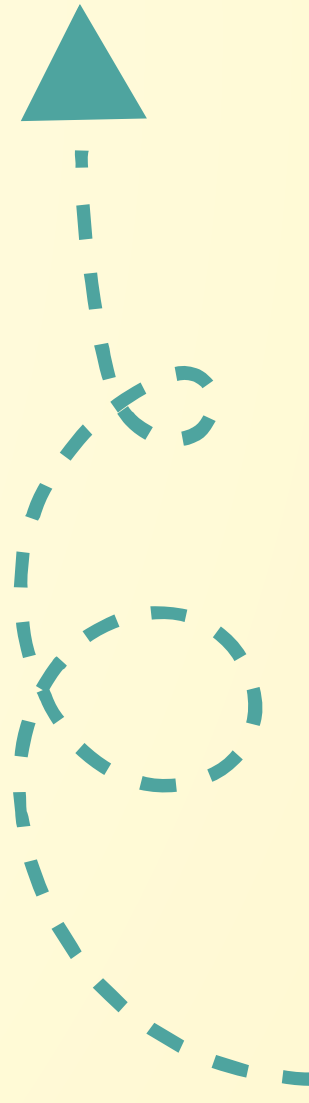
Awareness

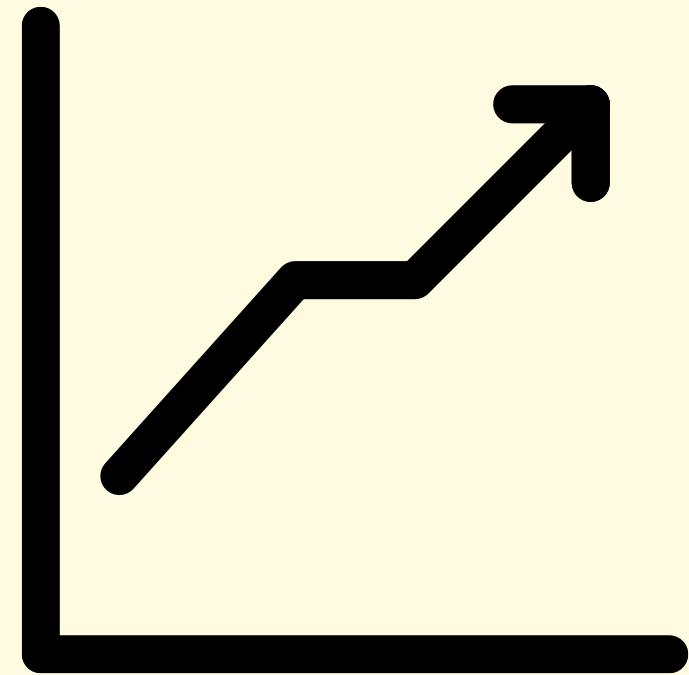
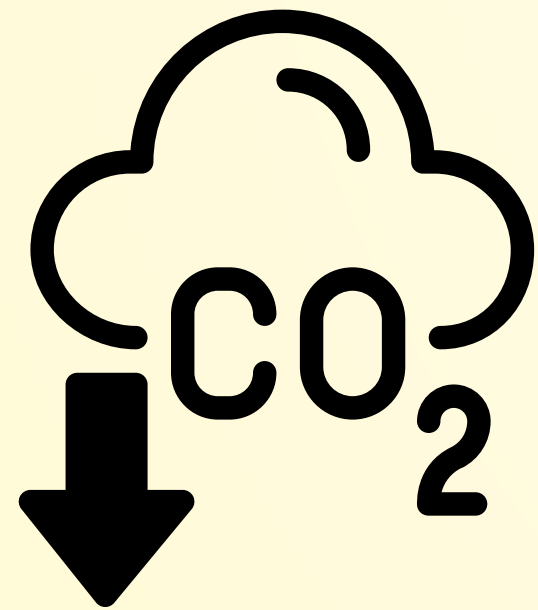
Cleaner
Transport

Affordable
Transport

Tracking

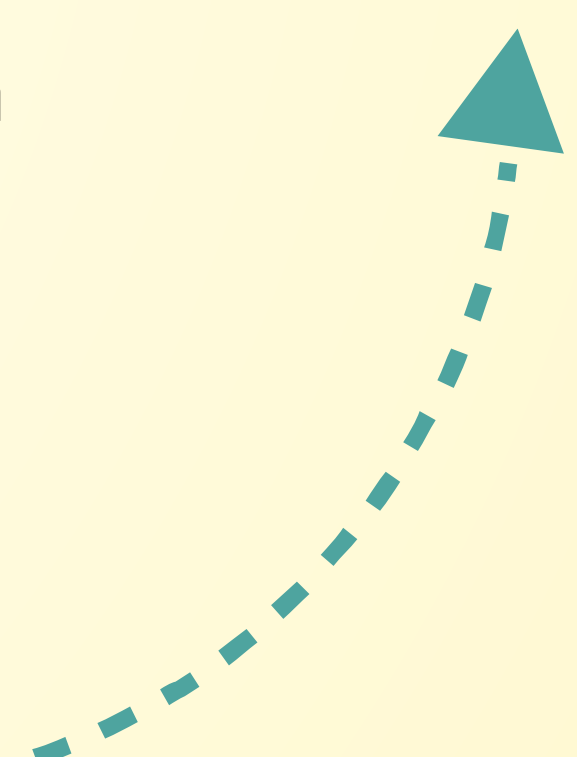
Hard to know
carbon
footprint





Goal

- Calculate Travel Expenses
- Track Travel Expenses
- Reduce Cost Expenses
- Improve Carbon Footprint



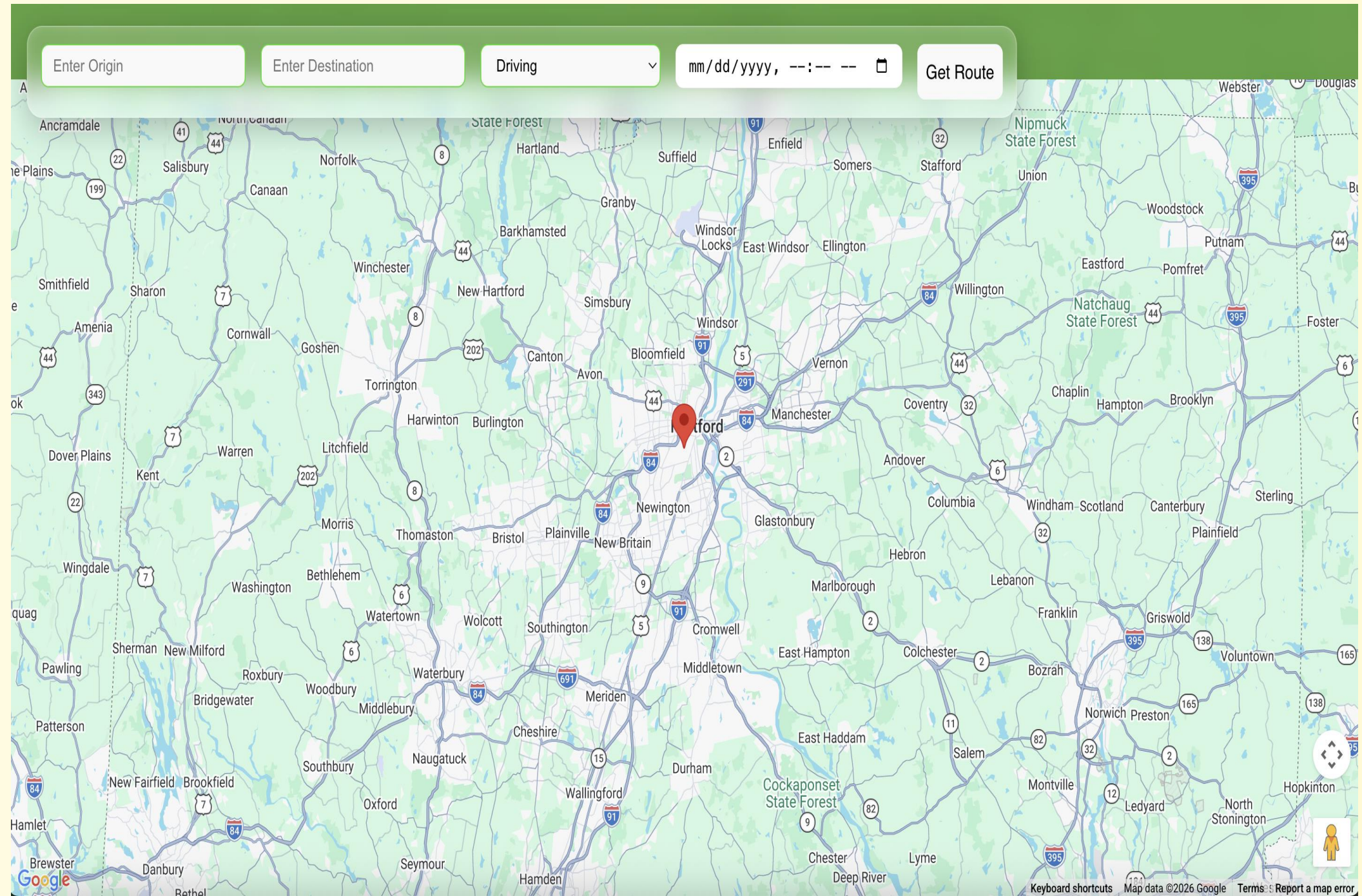
Solution

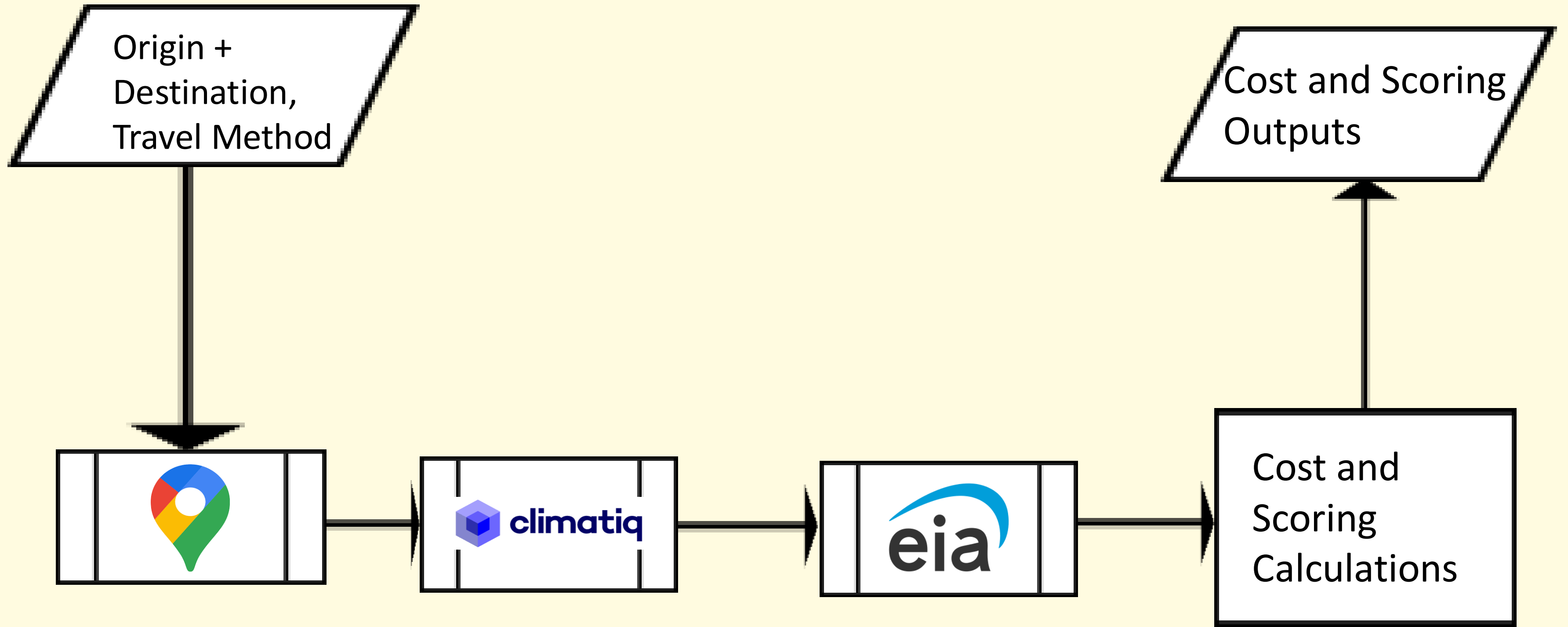
Travel Expense Calculator

- Tracks different travel expenses

Factors

- Carbon Emissions
- Fuel Expense
- Tolls/Fares





Input

Origin + Destination

Mode of Transportation

Route Selection

Output

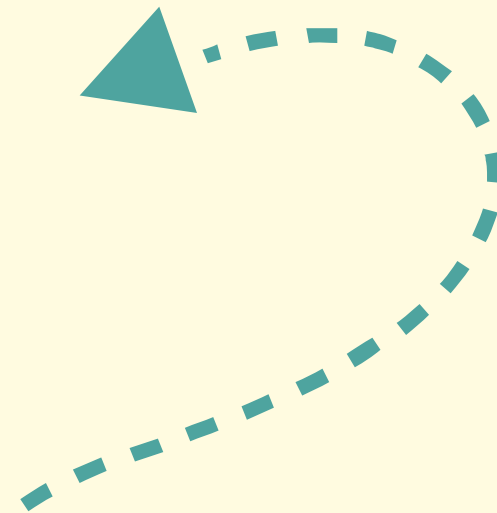
Time & Distance

Estimated Cost

Tolls/Fares

Carbon Emission Estimate

Scoring and Evaluation



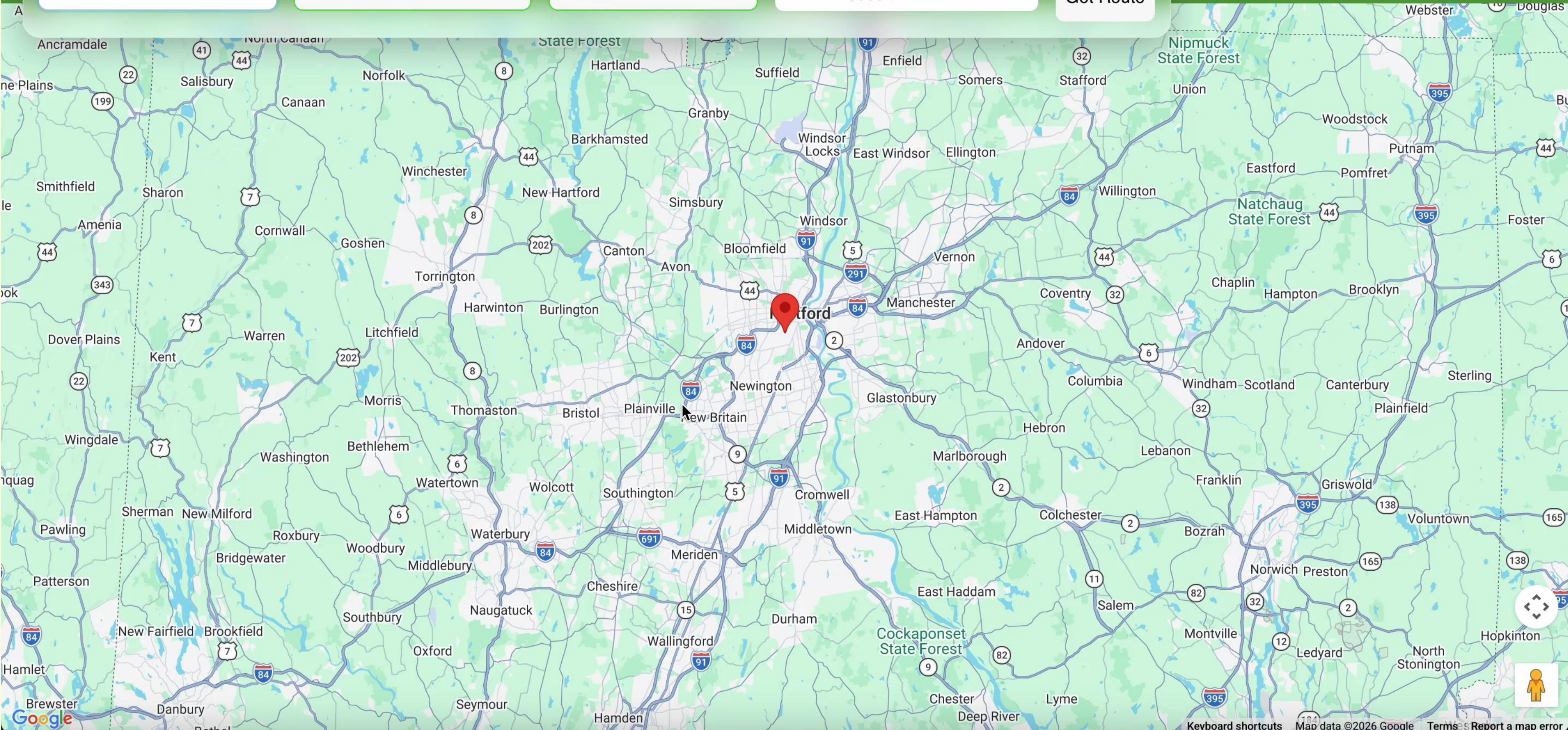
Enter Origin

Enter Destination

Driving

mm/dd/yyyy, --:-- --

Get Route



Tools



Google Maps

Directions
Route Details



Climatiq

Emissions Estimate
Uses Fuel and Vehicle



Energy Information Administration

Fuel Prices
(Distance * Vehicle
efficiency)/fuelprice

This Semester

Tolls and Fares

Bus and Train Fares
Detect Driving Tolls

More Accurate Emissions

Northeast Corridor
Transit

Scoring Systems

Evaluation for
Convenience or
Preference

Feedback

Explanations of
scores for
Convenience and
Stress

