

Here are some assumptions that went into calculating your carbon footprint

Electricity:

- Electric bill - 11,698 kwh/year = average energy consumption / household¹
- the U.S. average is 13.27 cents per kilowatt hour (kwh),² 0.62 kilogramCO₂ / kwh³
- 11,698 kwh/year * 0.62 kgCO₂/kwh = 7,252.76 kg CO₂/year

Flights per year:

- Flights per year - average is 2.1 trips per American (if fly).⁴
- Assume 0.1304 kgCO₂/km⁵ for medium-term flights (DEFRA model).
- Domestic flights ~2.5-3 hr, 2200km * 0.1304 kgCO₂/km * 2.1 trips = 602.448 kg CO₂/yr

Transportation:

- Average American drives around 15,000 per year (assume this is all forms of ground transport)⁶
- Fuel efficiency on car - assume 30 mpg on road car now⁷
- 0.960 pounds = 0.435 kg CO₂ per mile (driving) * 15,000 miles/year = 6,525.0 kg CO₂ / year⁸
- 0.657 pounds = 0.298 kg of CO₂ per mile - 50% public transport, 50% single auto * 15,000 miles/year = 4470.0 kg CO₂ /year
- 0.354 pounds = 0.161 kg of CO₂ per mile (public transportation) * 15,000 miles / year = 2,415.0 kg CO₂ / year

Uber trips:

- (14 uber million trips / day * 0.50)⁹ / 325 million people (USA) * 365 days / year = 7.86 rides/person in the USA (assumes 50% of all uber rides are in the USA).
- Average ride length = 6 miles/trip * 7.86 trips / person / year * 0.960 kgCo₂/mile = 45.27 kg Co₂/uber rider/year.¹⁰

Food choices / nutrition:¹¹

- 1.7 US tons = 1,542.21406 kilograms of CO₂/year - vegetarian.
- 2.5 US tons = 2,267.96185 kilograms of CO₂/year - average.
- 3.3 US tons = 2,993.70964 kilograms of CO₂/year - meat lover.

Amazon supply chain:

- 0.1289 kg CO₂e per dollar (USD).¹²
- 3,300,000 boxes/day¹³ * 365 days/year / 325,000,000 Americans = 3.70 boxes/American.
- 3.70 boxes/year * \$47 / box = ~\$173.90/year * 0.1289 kg / \$1 USD= 22.41 kg CO₂/year.

¹ Shrinkthatfootprint.com. <http://shrinkthatfootprint.com/average-household-electricity-consumption>

² Chooseenergy.com. <https://www.chooseenergy.com/electricity-rates-by-state/>

³ Quora. <https://www.quora.com/How-much-CO2-is-produced-per-KWH-of-electricity>

⁴ Airlines.org. <http://airlines.org/wp-content/uploads/2016/04/2016Survey.pdf>

⁵ Environmental Change Institute <https://www.eci.ox.ac.uk/research/energy/downloads/jardine09-carboninflight.pdf>

⁶ Reference.com. <https://www.reference.com/vehicles/average-mileage-put-car-year-5c8f88fa02be73c8>

⁷ Wikipedia. https://en.wikipedia.org/wiki/Corporate_average_fuel_economy

⁸ Transitscreen.com <http://blog.transitscreen.com/how-public-transit-can-and-must-help-reduce-carbon-pollution>

⁹ Businesofapps.com <https://www.businesofapps.com/data/uber-statistics/>

¹⁰ Ride.guru. <https://ride.guru/lounge/p/what-is-the-average-trip-distance-for-an-uber-or-lyft-ride>

¹¹ Shrinkthatfootprint.com <http://shrinkthatfootprint.com/food-carbon-footprint-diet>

¹² AboutAmazon.com <https://sustainability.aboutamazon.com/carbon-footprint>

¹³ Quora. <https://www.quora.com/How-many-boxes-does-Amazon-ship-every-day>

