

Name	Type	Description
trip_id	int	Unique id of each trip (0-81085) – altered from original dataset (prohibits re-identification)
household_id	int	Unique id of each household (0-17615) – altered from original dataset – altered from original dataset (prohibits re-identification)
person_n	int	Person number within household (may be non-consecutive if all trips by person are omitted from dataset, e.g. 0,1,3)
trip_n	int	Trip number as made by person (may be non-consecutive if individual trips have been omitted from dataset, e.g. 0,1,3)
travel_mode	string	Label of travel mode taken for trip: ‘walk’, ‘cycle’, ‘pt’ (public transport) and ‘drive’
purpose	string	Purpose of trip imputed from origin and destination purposes from trip survey: home-based work (‘HBW’), home-based education (‘HBE’), home-based other (‘HBO’), employers’ business (‘B’), non-home-based other (‘NHBO’)
fueltype	string	Fueltype of proposed vehicle for trip imputed from household survey: ‘Petrol_Car’, ‘Diesel_Car’, ‘Hybrid_Car’, ‘Petrol_LGV’, ‘Diesel_LGV’, ‘Average_car’
faretype	string	Rail faretype for person making trip imputed from socio-economic data: ‘16+’, ‘child’, disabled (‘dis’), ‘free’, or full-fare (‘full’).
bus_scale	float	Bus fare scale of person making trip imputed from socio-economic data: 0 (free bus journeys), 0.5 (half price), 1 (full price)
survey_year	int	Survey year: 1 (April 2012-March 2013), 2 (13/14) or 3 (14/15)
travel_year	int	Trip travel year, from 2012 to 2015
travel_month	int	Trip travel month, from 1 (January) to 12 (December)
travel_date	int	Trip travel day-of-month, from 1 to 31
day_of_week	int	Trip travel day-of-week, from 1 (Monday) to 7 (Sunday)
start_time_linear	float (hours)	Linearised trip start time from 0-24, e.g. 16:45 becomes 16.75
age	int (years)	Age of person making trip in years
female	bool	Boolean identifier of person making trip: 1 if female, 0 otherwise
driving_license	bool	Boolean identifier of person making trip: 1 if person has driving licence, 0 otherwise
car_ownership	float (£ gbp)	Car ownership of household person belongs to: no cars in household (0), less than one car per adult (1), one or more cars per adult (2)
distance	int (metres)	Straight line distance between trip origin and destination
dur_walking	float (hours)	Predicted duration of walking route from directions API
dur_cycling	float (hours)	Predicted duration of cycling route from directions API
dur_pt_total	float (hours)	Predicted total duration of public transport route from directions API
dur_pt_access	float (hours)	Predicted duration walking between origin and first public transport stage, and final public transport stage and destination
dur_pt_rail	float (hours)	Predicted duration spent on rail services on public transport route
dur_pt_bus	float (hours)	Predicted duration spent on bus services on public transport route
dur_pt_int_total	float (hours)	Predicted duration of interchange time on public transport route (walking and waiting combined)
dur_pt_int_waiting	float (hours)	Predicted total duration of waiting times on platform/stop for interchanges on public transport route
dur_pt_int_walking	float (hours)	Predicted duration of walking time for interchanges on public transport route
pt_n_interchanges	int	Number of interchanges on public transport route from directions API
dur_driving	float (hours)	Predicted duration of driving route from direction API
cost_transit	float (£ gbp)	Estimated cost of public transport route, accounting for rail and bus faretypes
cost_driving_total	float (£ gbp)	Estimated cost of driving route, including fuel cost and congestion charge
cost_driving_fuel	float (£ gbp)	Estimated fuel cost of driving route accounting for vehicle fueltype
cost_driving_con_charge	float (£ gbp)	Estimated congestion charge cost of driving route where applicable
driving_traffic_percent	float	Predicted traffic variability on driving route – see paper for details