

Task 2.6 Commercial Travel and Vehicle Types

Background

The aim of this task is to confirm how each vehicle type is to be classified in the model and, in particular, to explore the patterns of commercial vehicle travel in the household survey data with a view to confirming the treatment of commercial vehicle travel in the model.

Commercial Travel

Inputs

Household Survey.

Processing

- ❑ tabulate business (BU) purpose trips by mode (distinguish truck/car);
- ❑ tabulate the trip origins by truck/car for the ‘why did you go to stop?’ question and identify the relative importance of the employers’ business and pick up/deliver goods answers by mode;
- ❑ tabulate BU trips by zone and identify groups of zones which account for most business trips;
- ❑ tabulate the number of van/utes and trucks in households; need to do a more detailed classification by type of CV using the household motor vehicle question if there are enough trucks to justify it.

Outputs

Statistics to be used in specifying the modelling approach.

Vehicle Types

The table below identifies the data collected in the surveys and how it will be treated in modelling. The particular issue it addresses is the distinction between cars, light and other commercial vehicles.

Vehicle Types	Household Survey	Manual Counts	Automatic Counts	Roadside Survey	Modelling Categories
Motorcycles	Y	Y	Y	Y	with Car (0.2% trips)
Car	Y			Y	Car
Taxi (driver)	Y			with Light CV (0.5% trips)	
4 wheel drive	Y			Car	
Van, ute	Y***	Y*		Y*	Car/Light CV*
Other CV	Y	Y	Y**	Y	CV
Taxi passenger	Y	N	N	N	Light CV passenger (0.6% trips)
Truck passenger	Y	N	N	N	Truck passenger (0.2% trips)

* only company labelled vehicles treated as light CVs: rest with cars

** this distinction is only available if specialist equipment or manual classified counts are used; propose that this be a requirement for all count data used in developing the model

*** to be classified as light CVs if used on business; otherwise as private cars