

Task 6.1.2 Consideration of the Significance of 3+ Car Owning Households

Discussion

The rising levels of car ownership in some household types brings with it the possible need to distinguish between households with 2 cars and those with 3 or more. In principle, this can be done by extending the model specification in a straightforward manner. However, in the past an attempt was made to do this for Wellington, but there was insufficient data to produce significant coefficients.

Since in any case it is not expected that households with 3+ cars will be a major segment, it will be useful to determine the sensitivity of the overall model to such a distinction. Crucially, it will depend on the difference in trip productions and mode shares between households of the same classification but varying between 2 and 3+ cars.

Decision

The preliminary studies (in Task 2) suggested that little would be gained by this additional model complexity, and in consequence the decision was taken to model 0, 1 and 2+ car households ownership.