## Satisfaction Guaranteed?

The Influence of Travel Behaviour, Personal Preferences, and Lifestyle on Perceived Convenience to Amenities Among Calgary Residents

TRAM

- Other collected / calculated variables included Network distances between homes and destinations
specified by the respondents Network distances to other common urban amenity
locations (bus stops, LRT stops, goods/services Iocations etc.)
Ranking questions related to home location consideration Detailed mode choice and ordinal travel convenience
questions for a variety of trip types Optional socieeconomic and household structure questions


## EACTOP-CLUSTER ANALYSIS TYPOLOGY DATA COMPOSITIONS

 PCA Factor Loadings
-Means Cluster Analysis
K-Means Cluster Analysis

- K-Meanc cluster Analysis was used to segment respondents
int into travel typologies
- By maximizing intergroup differences of PCA factors, while minimizing intragroup difiererceses, the cluster analysis
segmented respondents into a specified number of clusters
- The number of ohosen clusters was tested iteratively to identify meaningful groups of respondents with similiar travel
behaviour, experiences, and perceppions



K-means Travel Behaviour Typology Cluster Centres


Car Inclined Baby Boomers


Car-Centric Students


## RESULTS


 and


Tyated Convenience of Access and Average Distance by Typology Membership

- Consistent with other research, typologies that travel shorter
average distancess tend to report
- Interestingly, Choice Transit Riders travel longer average
distances to work than Captive Transit Riders, yet report distances to work than Captiv
higher convenience of access

CONCLUSIONS

- Typologies are not merely characterized by their mode
choice, but arther by many socio-economic and lifestyle
spocific speciric factors
Individuals who live in areas supportive of their travel
preferences may perceive their preferences may perceive their convenience of access as
higher than those who must travel similiar distances by less
- 

Perceived convenience of accessing local amenities
varies widely
protoss the eight typologies, which has
 support sustainable modes
neighbourhood liveabity

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