

Jyväskylä Region Travel Survey 2009

Regional Travel Survey of Jyväskylä 2009





Jyväskylä Region Travel Survey 2009

A. Travel survey

- sample of 7 200 residents
- over 14 years of age
- travel diary survey to define residents' travel behaviour



- telephone interview
- internet survey
- postal survey



- ca. 4 400 respondents
- data set on ca. 13 300 trips

B. Vehicle traffic survey

- vehicle origin-destination survey
- data collection on route selection, origin and destination
- entails information about traffic outside of the region



- roadside interviews on outer ring road
- license plate survey on inner ring road, postal and internet surveys



- origin-destination data on vehicle traffic
- the volume of intra and inter regional traffic on arterial road network

C. Vehicle, bicycle and pedestrian traffic count

- description of present traffic volumes and hourly variation



- automated traffic census in 50 locations
- acquiring data from stationary traffic census points
- automated and manual census of bicycles and pedestrians in 22 locations



- traffic flow information from census locations
- seasonal variation factors



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Travel survey data

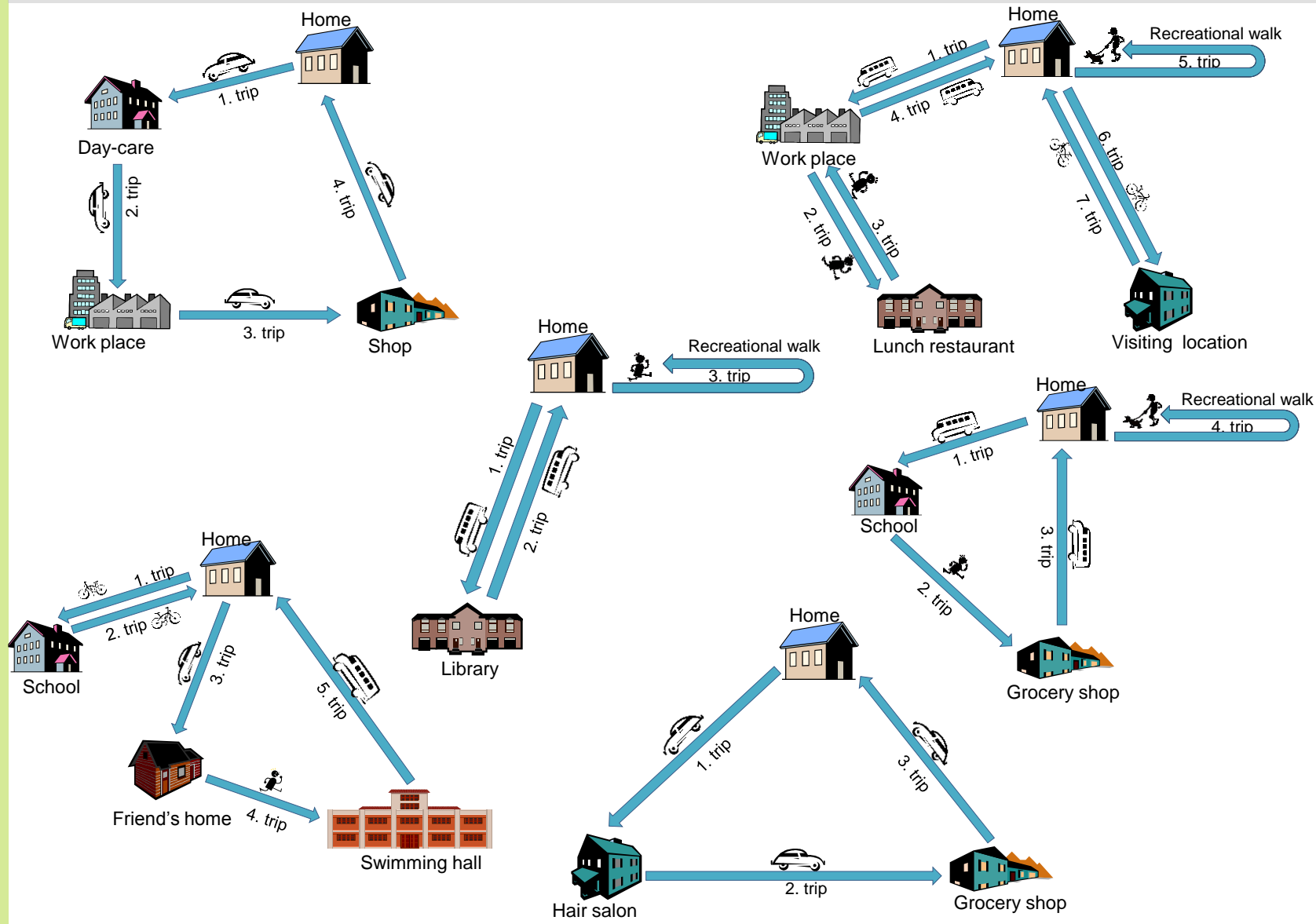
- basic data on transport demand in Jyväskylä region
- many opportunities for utilization
 - evaluation of traffic development
 - traffic prognoses and models
 - transportation system planning
 - assessment of the effects of land use on traffic
 - finding trouble spots in the transportation system
 - estimating energy consumption and effects on climate change of transport
 - basic information source for various city planning purposes



Travel diary survey

- data on respondents' trips during one weekday

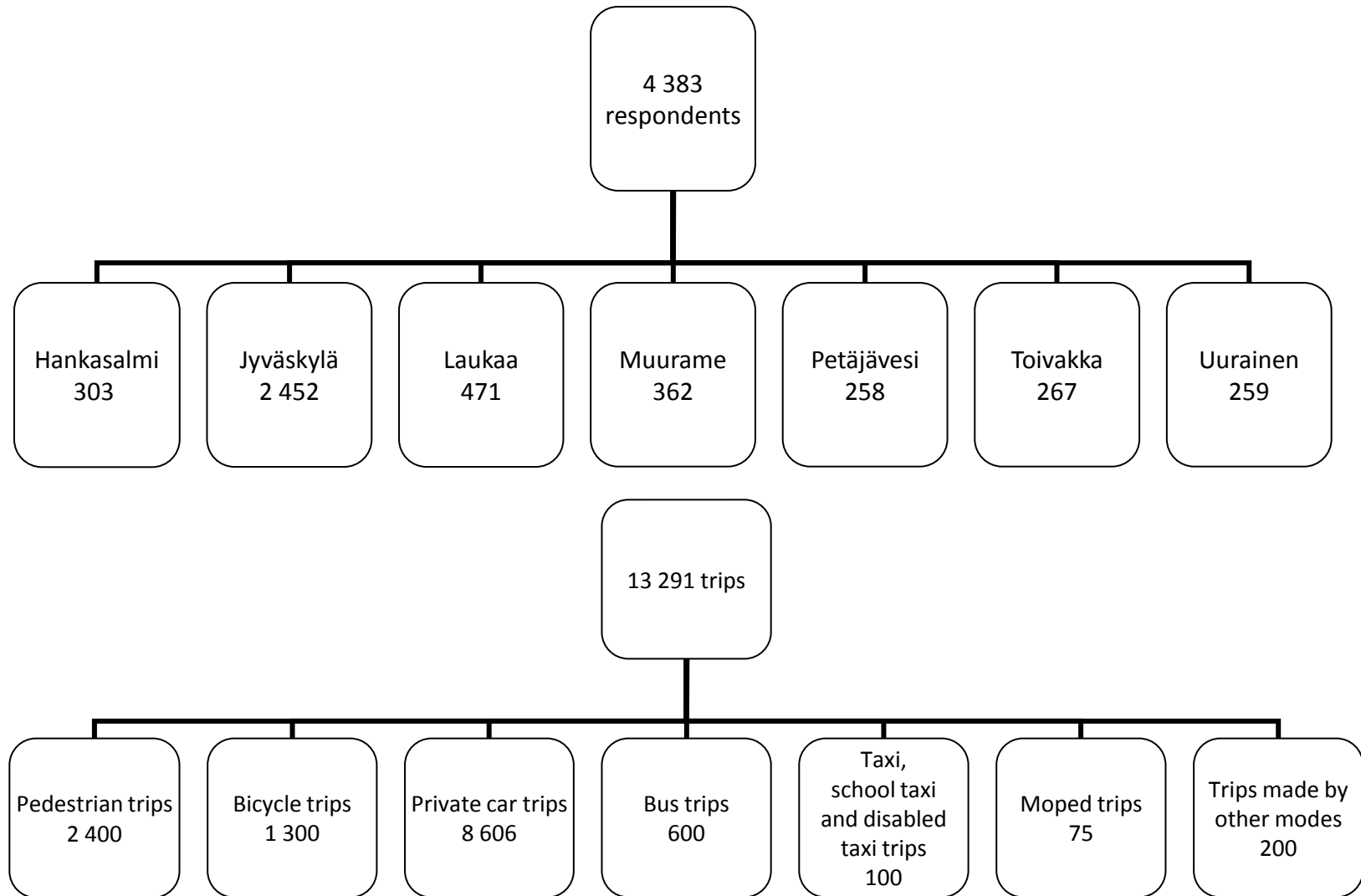
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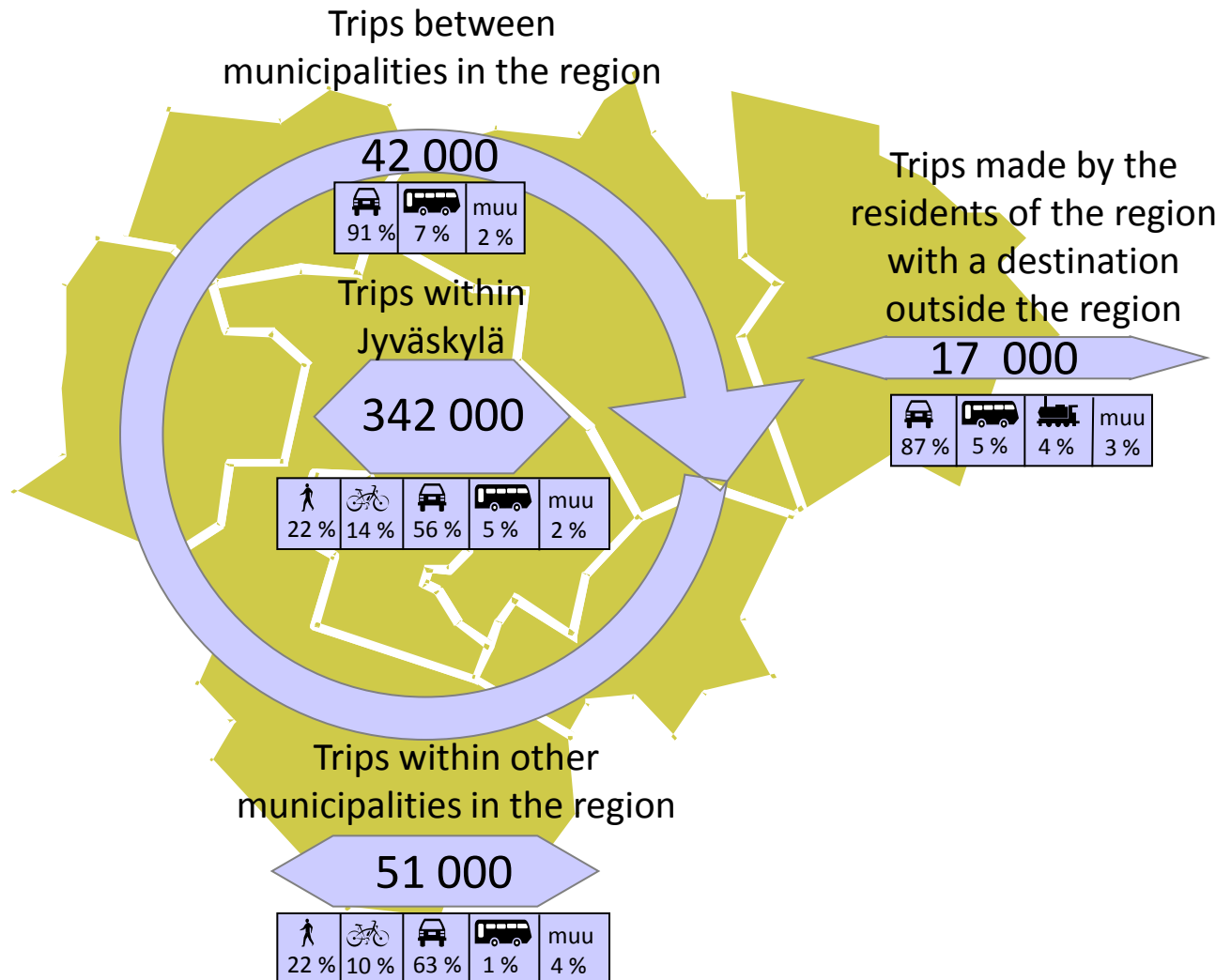
Travel diary

- the amount of observations





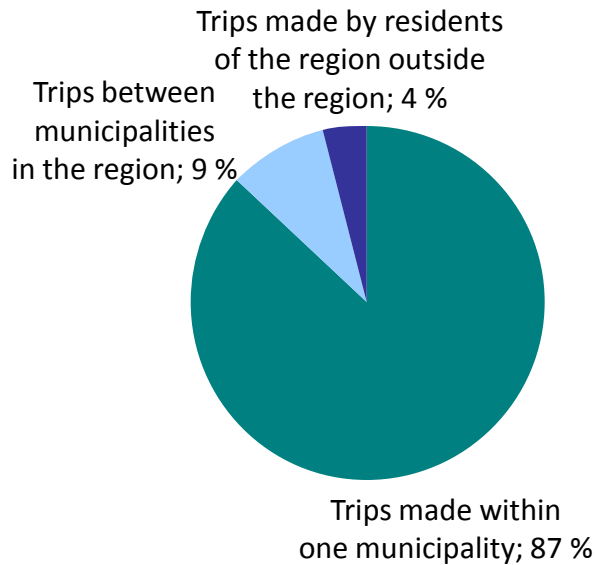
The amount of trips made by the residents of the region during weekdays – in total 450 000 trips and 4.6 million km per weekday



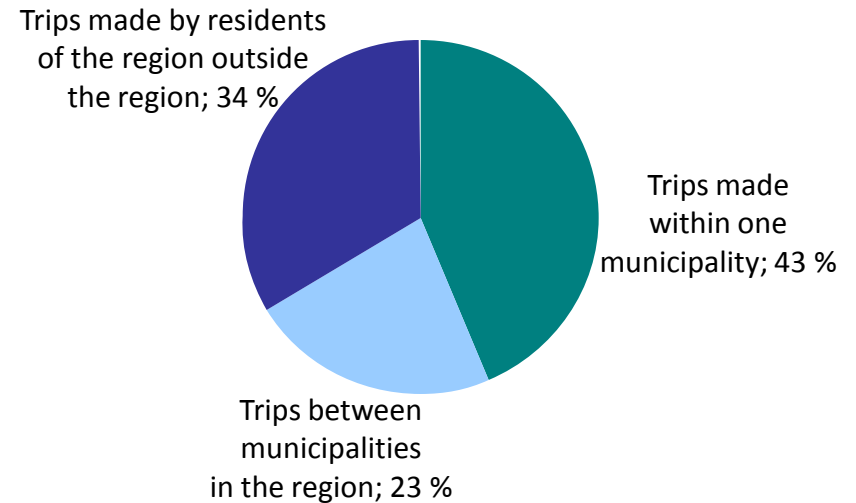


Division of trips: within the region / outside the region

Proportion of trips

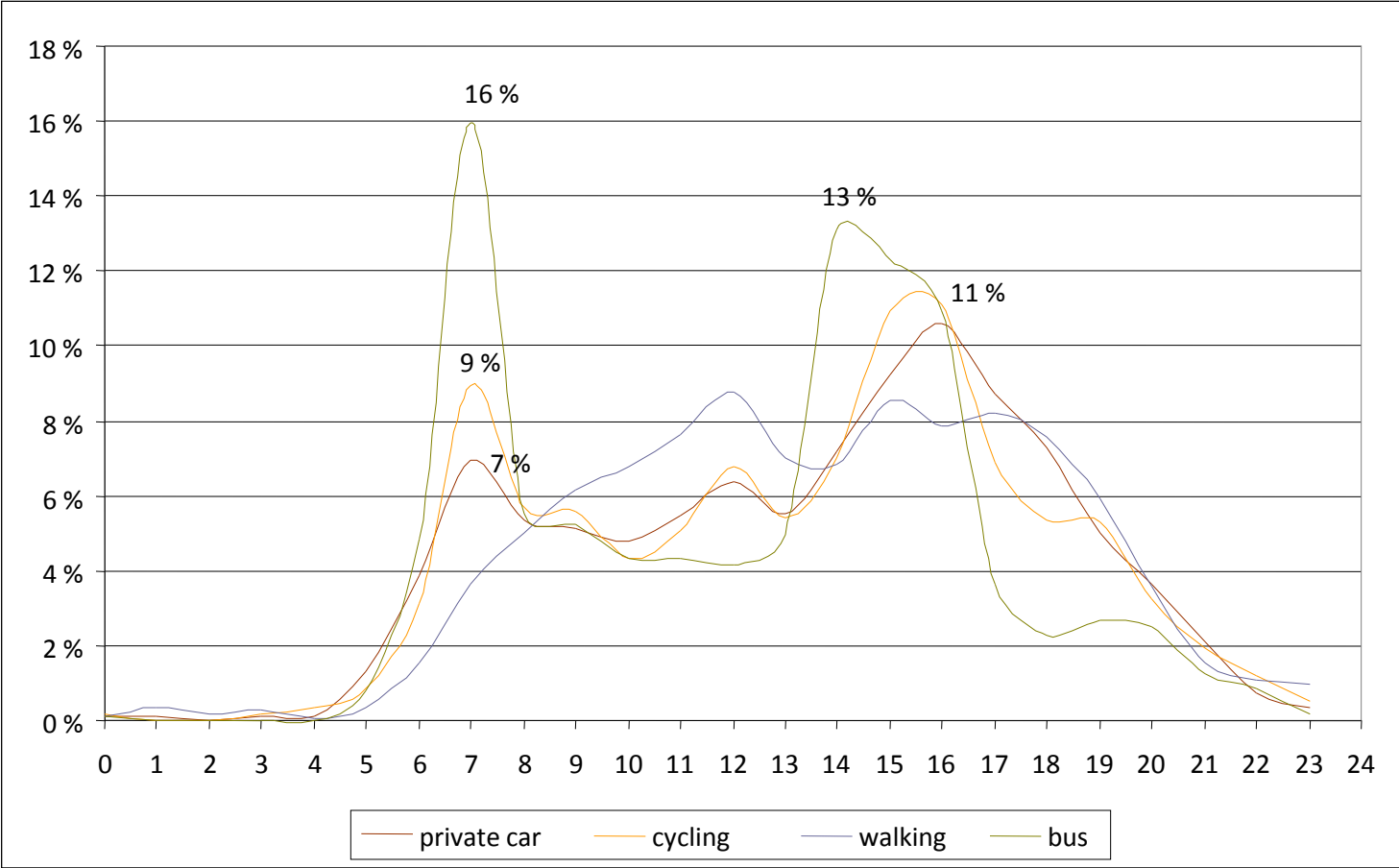


Proportion of traveled kilometers



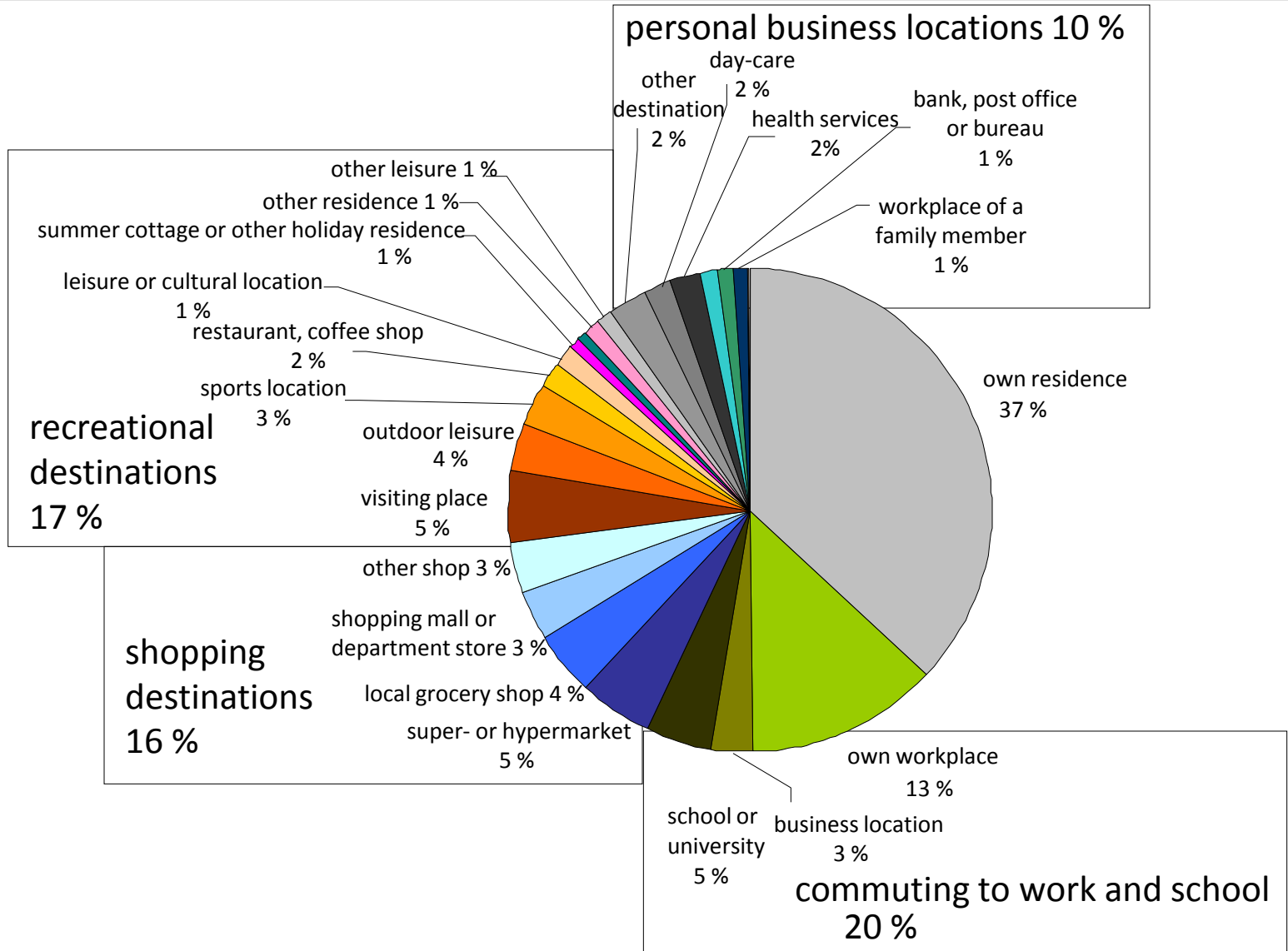


Hourly variation of travel demand during weekdays





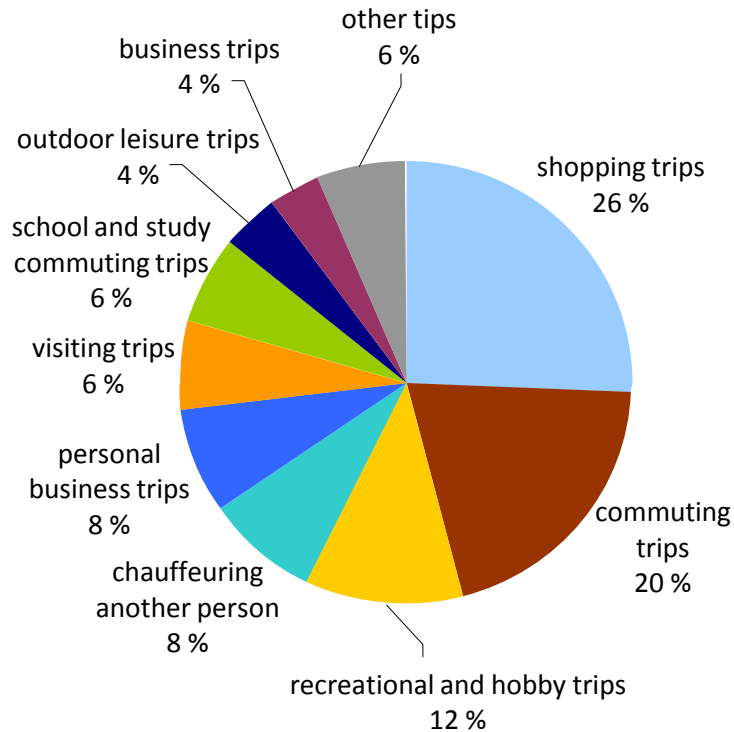
Distribution of trips according to the destination



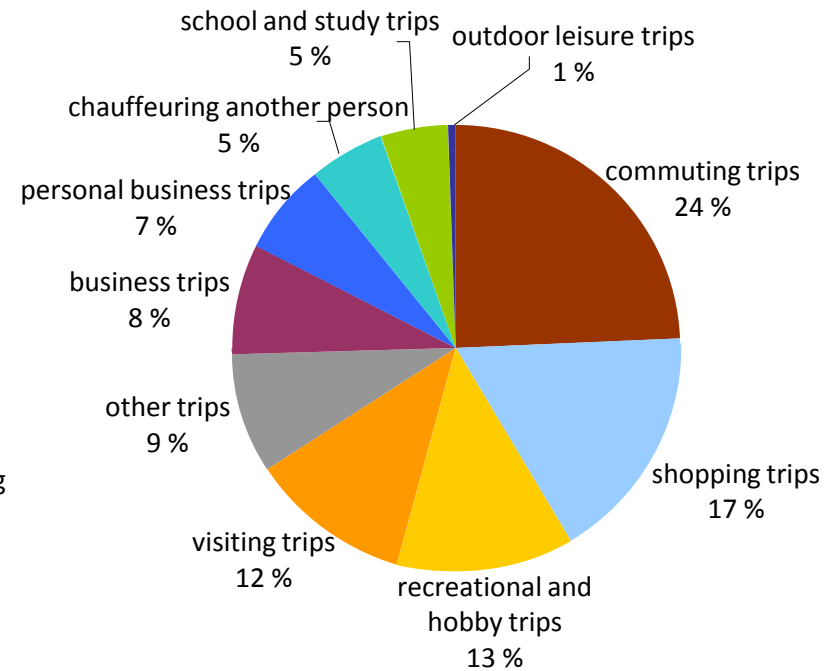


Division of trips: different purpose groups

Proportion of trips

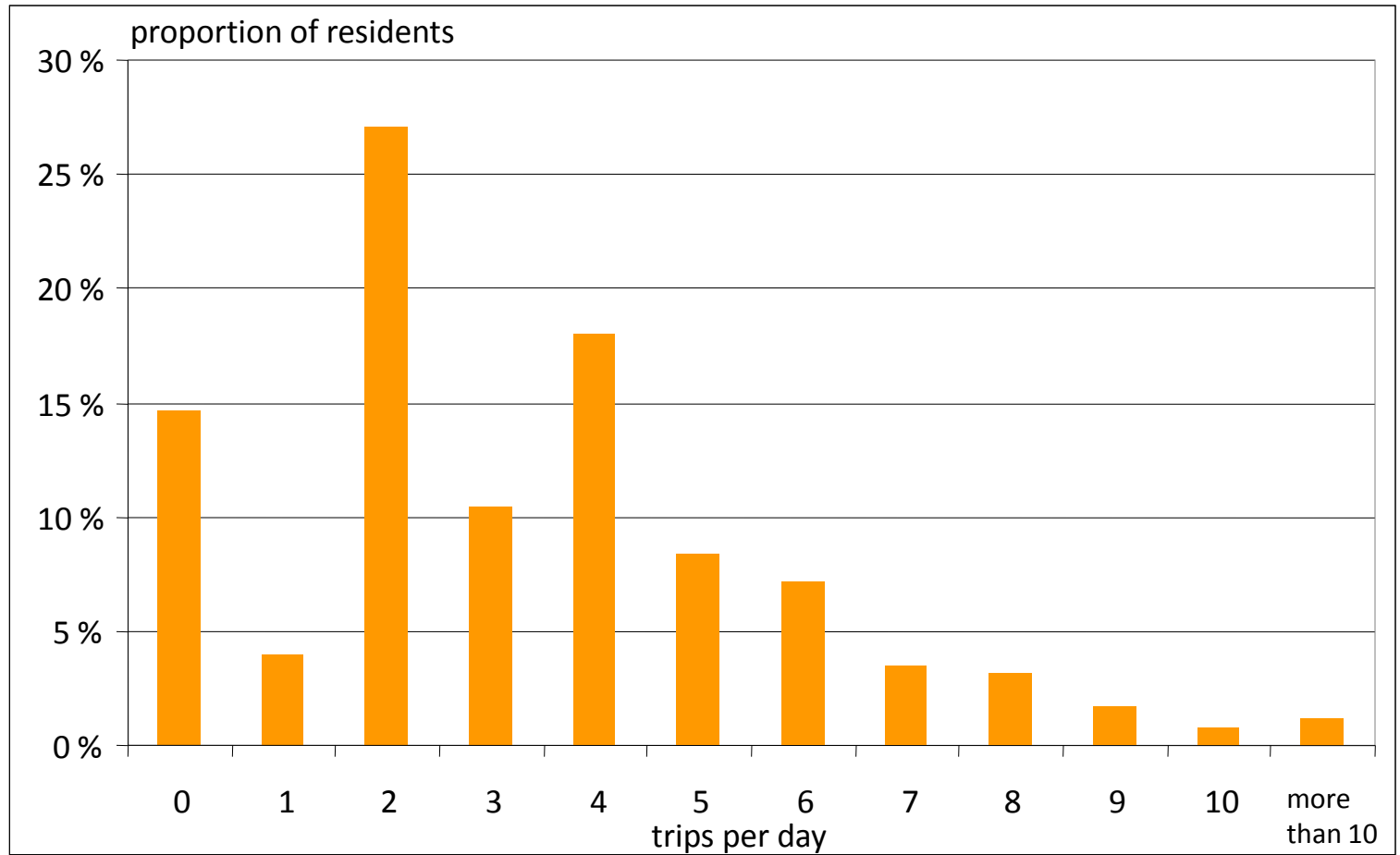


Proportion of traveled kilometers





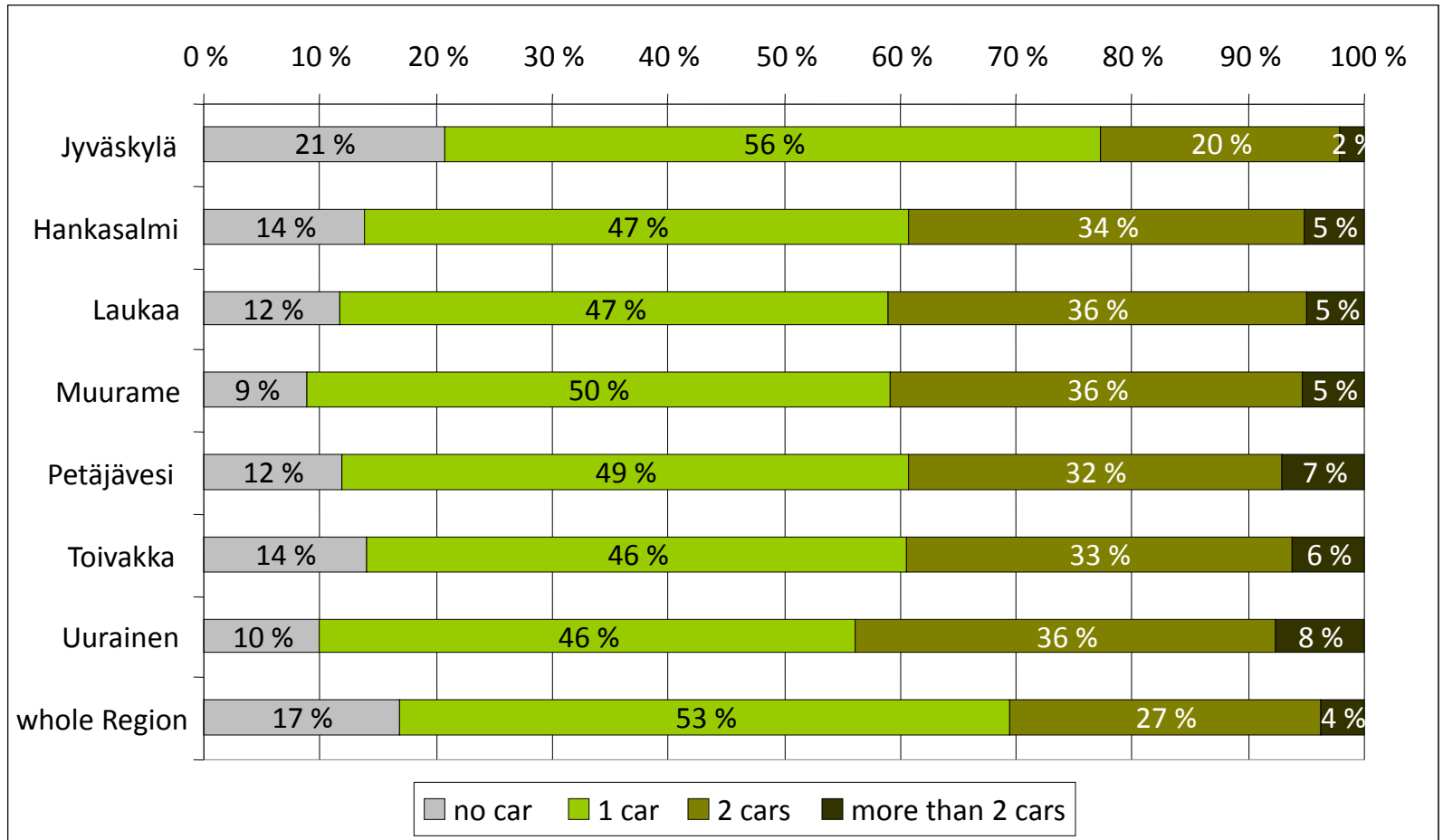
Distribution of daily number of trips





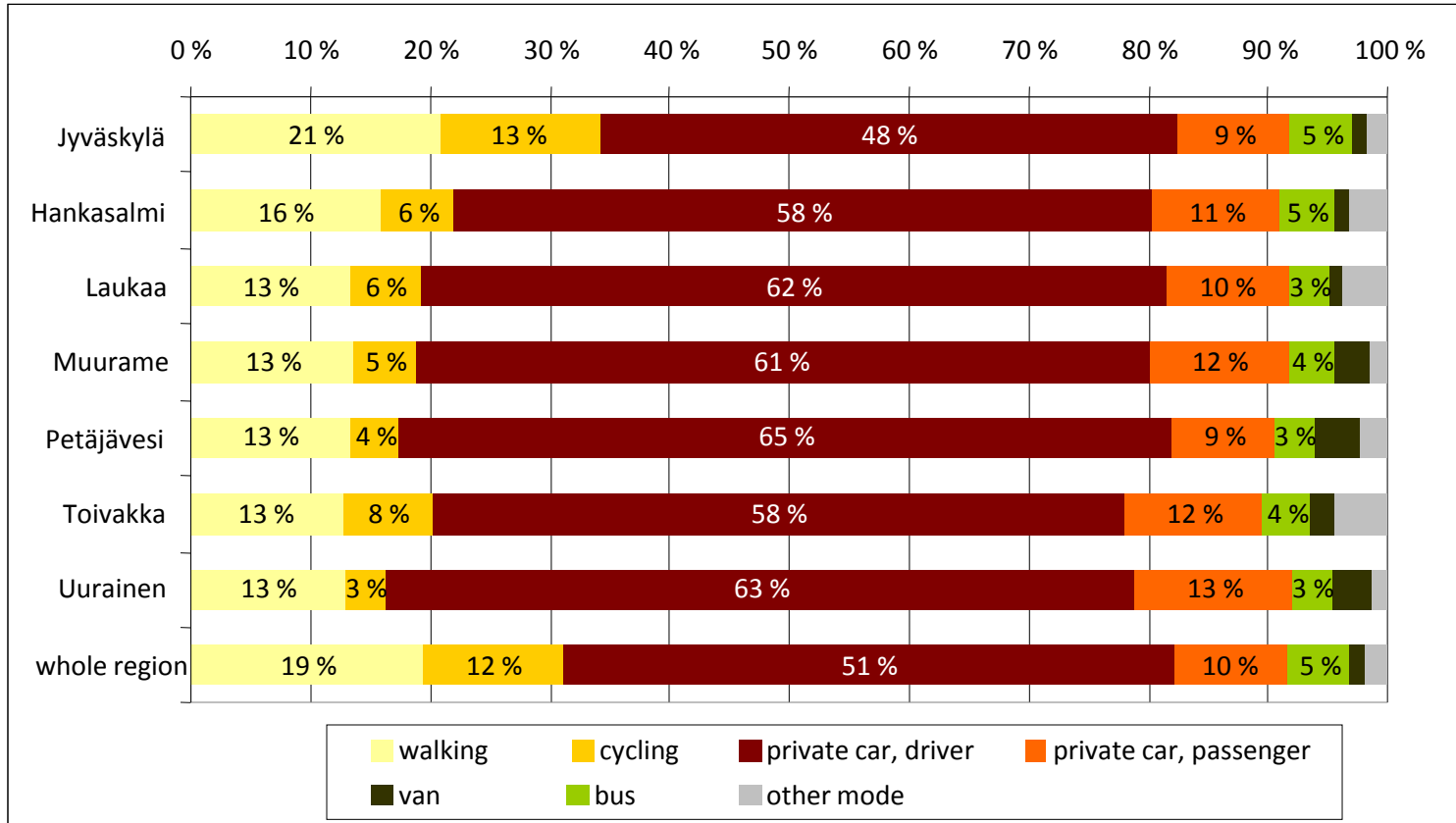
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Number of cars in respondents' households in the municipalities of Jyväskylä region



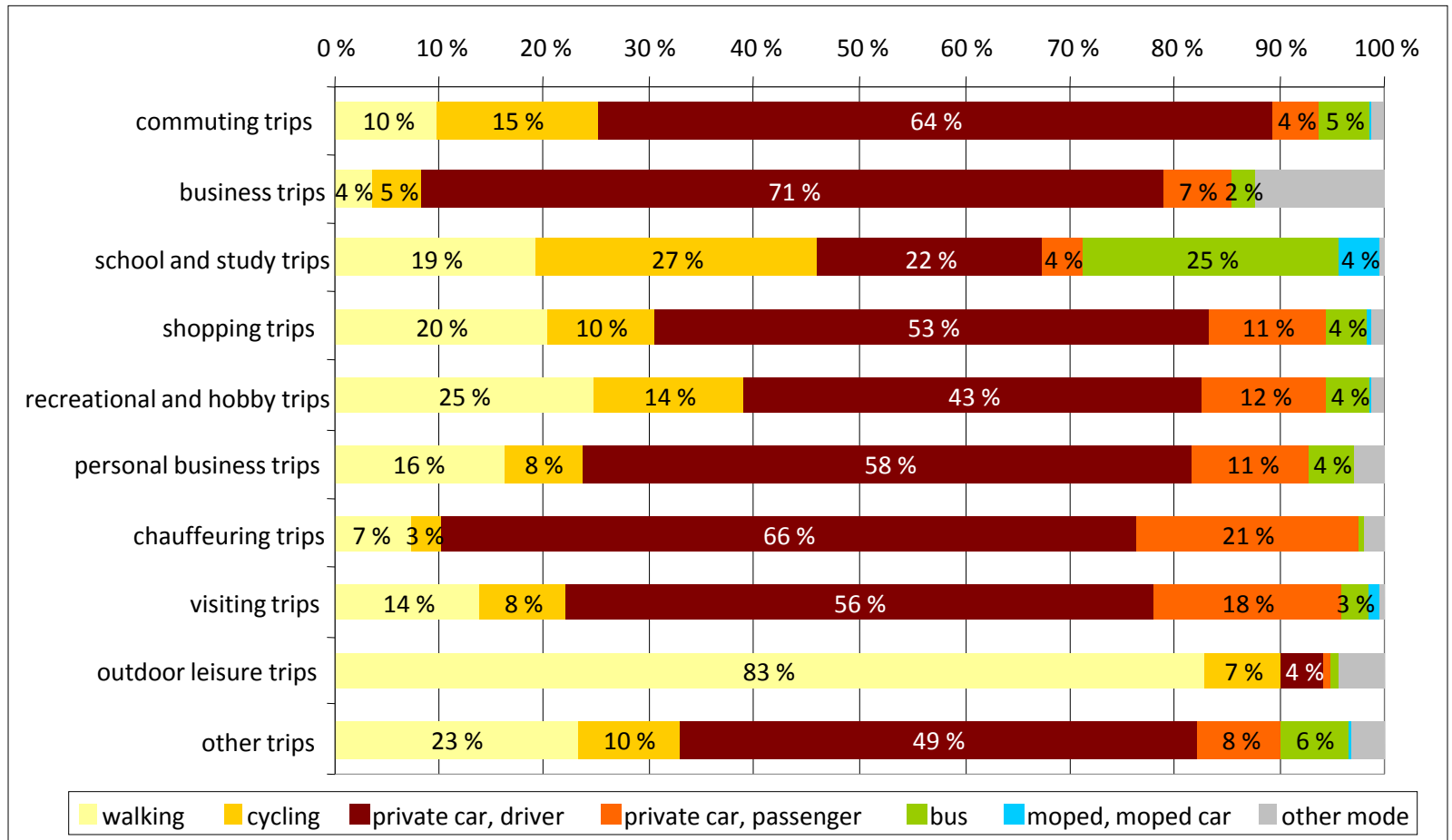


Modal split in the municipalities of the region





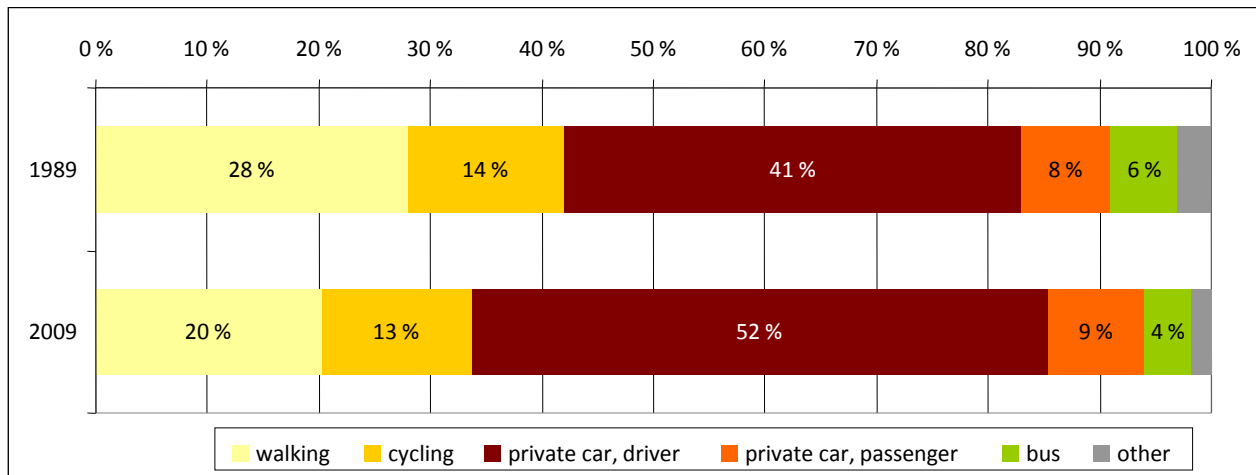
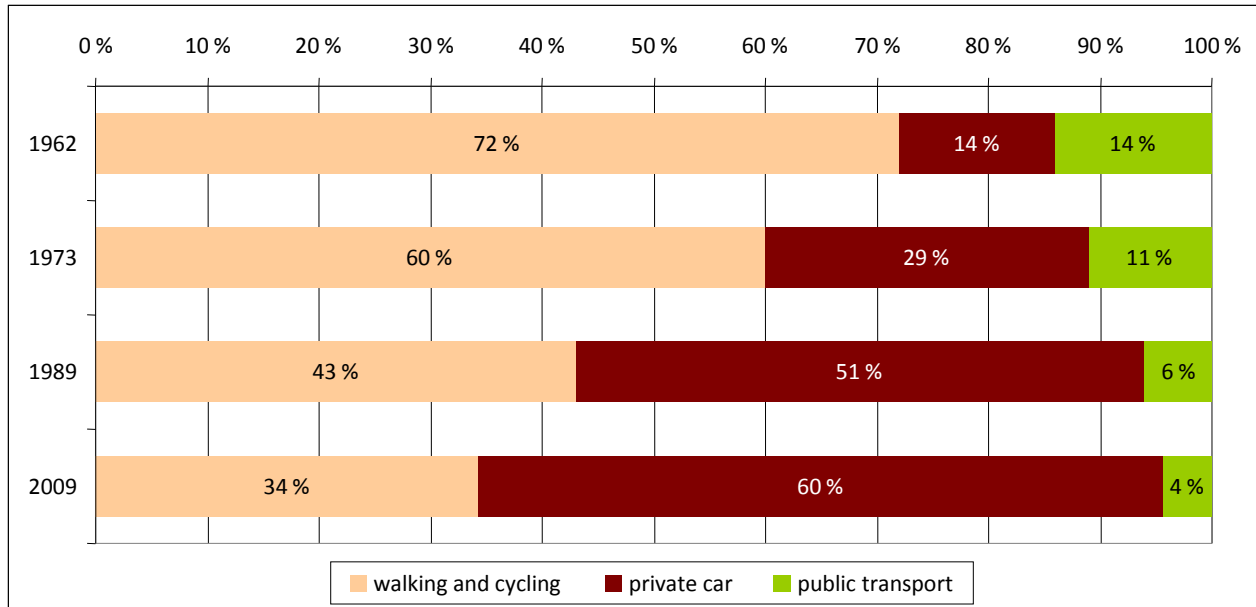
Modal split in different trip classes





Changes in modal split in Jyväskylä during the past decades

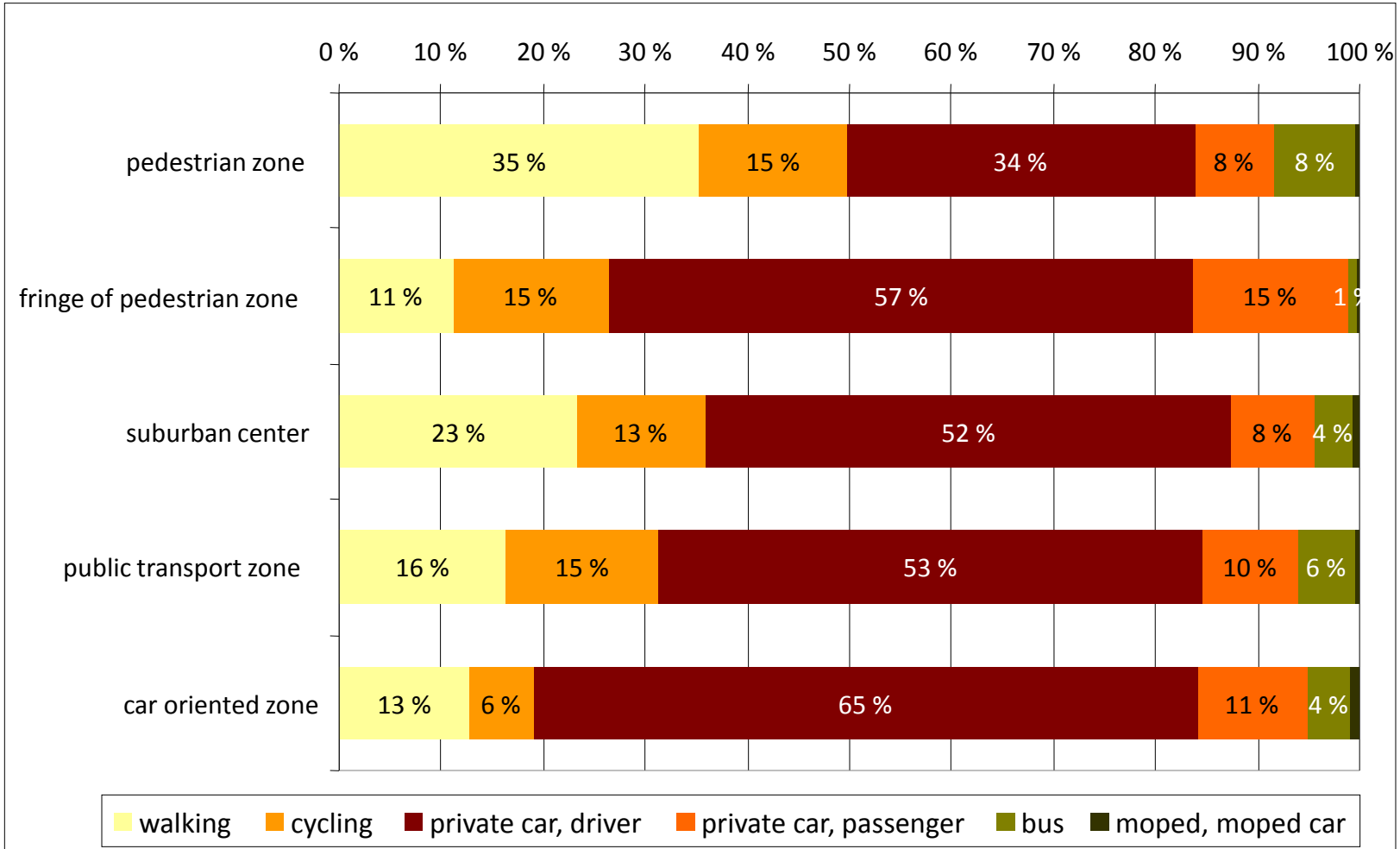
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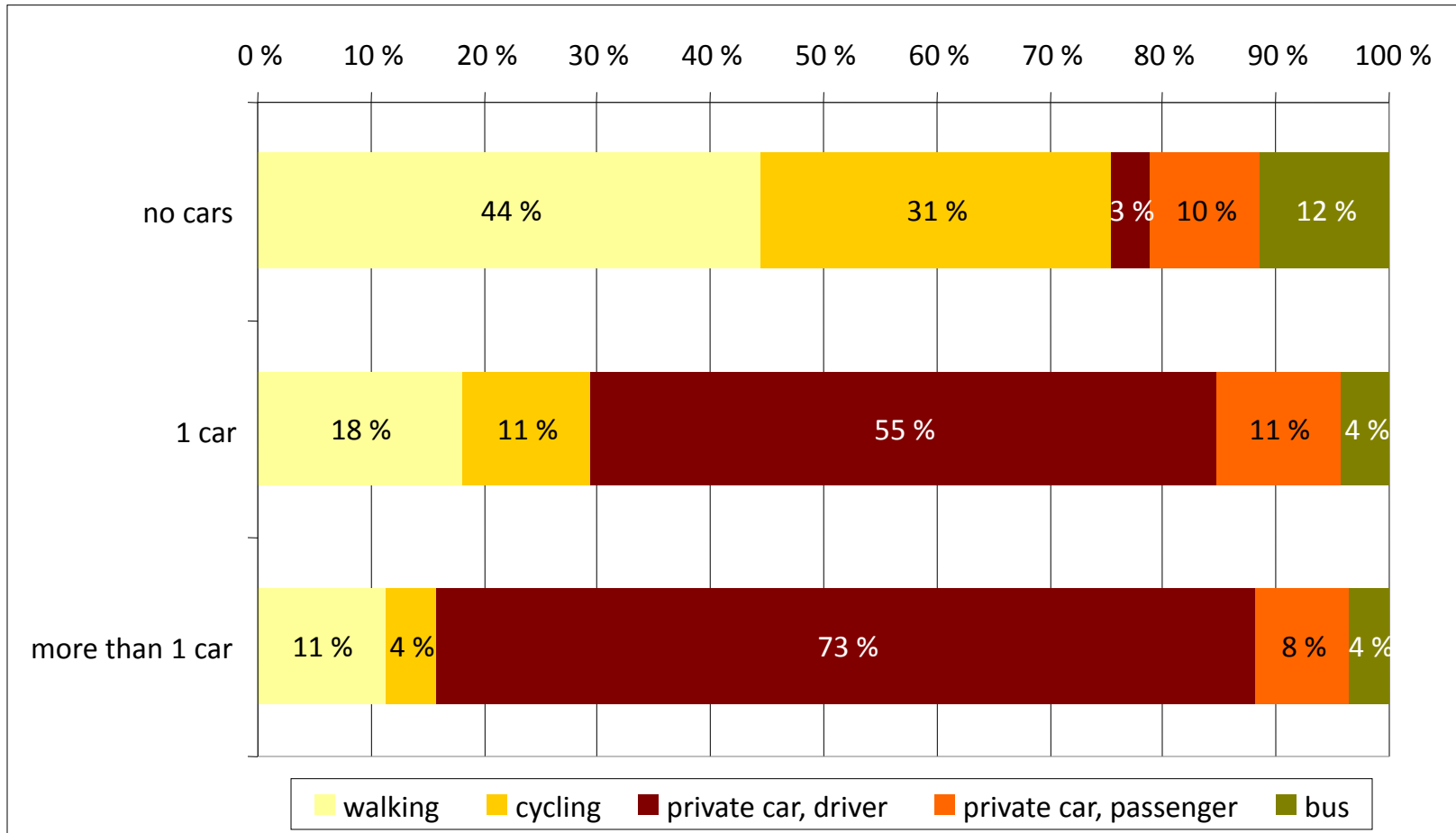
Modal split in different zones

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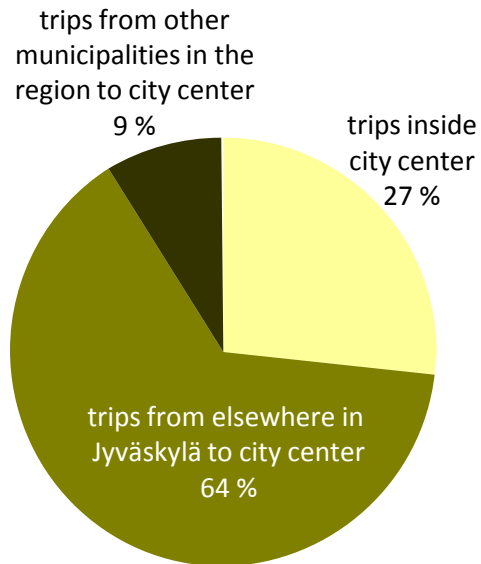
Modal split according to the number of cars in a household



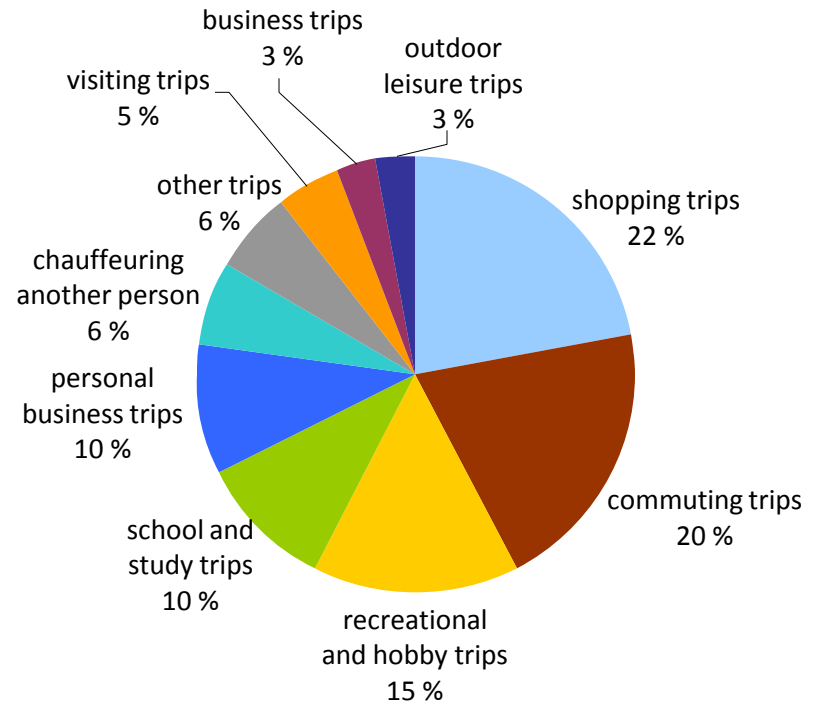


Trips to Jyväskylä city center

Distribution of trips

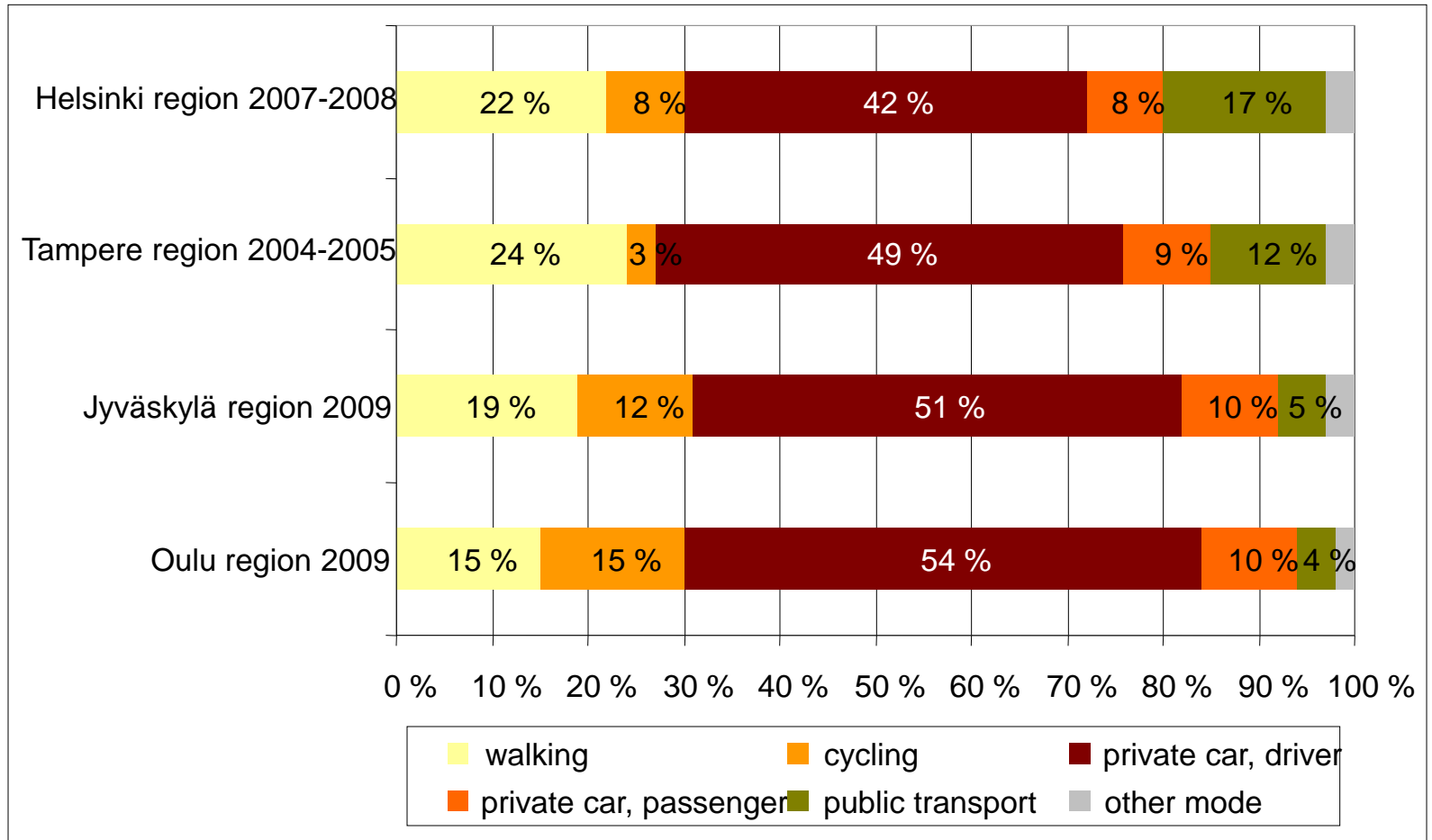


Purposes of trips





Modal split in major urban regions in Finland (residents over 14 years of age)





Reports (in Finnish)

Jyväskylä Region
Travel Survey
2009

All reports are available in

<http://paikkatieto.airix.fi/tietopankki/jyvaskylanseutu/liikennetutkimus.htm>

Detailed reports 1-4

Summary report

Jyväskylä seudun liikennetutkimus 2009
Osareportti 3
Ajoneuvoliikenteen laskennat

Jyväskylä seudun liikennetutkimus 2009
Osareportti 2
Ajoneuvoliikenteen määräpaikatutkimus

Jyväskylä seudun liikennetutkimus 2009
Osareportti 1
Henkilöliikennetutkimus

Jyväskylä seudun liikennetutkimus 2009
Osareportti 4
Kevyen liikenteen laskennat

Yhteenveto
1
2
3
4

Yhteenveto
1
2
3
4

Yhteenveto
1
2
3
4

Yhteenveto
1
2
3
4

Jyväskylä kaupunki - Keski-Suomen ELY-keskus - Keski-Suomen liitto
2010

Jyväskylä seudun liikennetutkimus 2009
Yhteenvetoreportti
Liikenteen nykytila Jyväskylän seudulla

Yhteenveto
1
2
3
4

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