library(psrc.travelsurvey)

library(dplyr)

all\_vars<- c('travelers\_hh', 'household\_id', 'person\_id', 'trip\_id', 'arrival\_time\_hhmm', 'o\_block', 'd\_block')

trip\_data<- get\_hhts("2017\_2019", "t", vars=all\_vars)

trip\_data\_multi<-trip\_data%>%filter(travelers\_hh>1)%>%arrange('arrival\_time\_hhmm', 'household\_id')

trip\_data\_multi\_grp<-trip\_data\_multi%>%group\_by(household\_id, arrival\_time\_hhmm, travelers\_hh)%>%

arrange('arrival\_time\_hhmm', 'household\_id')%>%count()

trip\_data\_missing\_trips<-trip\_data\_multi\_grp%>%filter(travelers\_hh!=n)

15207 records

2017

rSurvey

SELECT household\_id, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=17100149

17100149 1710014904 1710014904001 1 07:40 AM 280 HOME SCHOOL 12-15 years Household vehicle 2 Went to school/daycare (e.g., daycare, K-12, college) 2

only one trip in household; by a kid 12-15; driving; from home to school

this is probably pick up – drop off; but the pick up drop off is missing

rSurvey

SELECT household\_id, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=17100203 and travelers\_hh>1

it looks like a parent or parents dropping multiple kids at preschool; confusing

rMove

SELECT travelers\_hh, household\_id, person\_id, trip\_id, arrival\_time\_mam, o\_block, d\_block, dest\_purpose, mode\_1

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=17100303 and travelers\_hh>1

  order by arrival\_time\_mam

this household has a crazy number of trips; times are slightly different? These would be identified as different tours instead of together

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| household\_id | person\_dim\_id | trip\_id | tripnum | arrival\_time\_hhmm | arrival\_time\_mam | origin\_name | dest\_name | age | mode\_1 | dest\_purpose | travelers\_hh | hhsize |
| 17100303 | 1.71E+09 | 1.71E+12 | 54 | 1:45 AM | NULL | NULL | HOME | 25-34 years | Household vehicle 1 | Went home | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 28 | 1:50 AM | NULL | NULL | HOME | 25-34 years | Household vehicle 1 | Went home | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 55 | 12:50 PM | NULL | HOME | Residence | 25-34 years | Household vehicle 1 | Dropped off/picked up someone (e.g., son at a friend's house, spouse at bus stop) | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 29 | 12:52 PM | NULL | HOME | Residence | 25-34 years | Household vehicle 1 | Attended social event (e.g., visit with friends, family, co-workers) | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 56 | 1:00 PM | NULL | NULL | HOME | 25-34 years | Household vehicle 1 | Went home | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 9 | 4:35 PM | 995 | NULL | HOME | 25-34 years | Household vehicle 1 | Went home | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 30 | 4:37 PM | NULL | NULL | Asian Food Center | 25-34 years | Household vehicle 1 | Went grocery shopping | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 5 | 4:47 PM | NULL | NULL | HOME | 25-34 years | Household vehicle 1 | Went home | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 10 | 6:26 PM | NULL | HOME | Residence | 25-34 years | Household vehicle 1 | Other purpose | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 6 | 6:26 PM | NULL | HOME | Residence | 25-34 years | Other non-household vehicle | Conducted personal business (e.g., bank, post office) | 2 | 2 people |
| 17100303 | 1.71E+09 | 1.71E+12 | 47 | 6:27 PM | NULL | NULL | Residence | 25-34 years | Household vehicle 1 | Conducted personal business (e.g., bank, post office) | 2 | 2 people |

Hhid

Rmove

Many many trips close together in time

17100342

survey\_year hhgroup nnon matching travelers\_hh and num trips nall joint trips

1 2017 rMove 5000 7540

2 2017 rSurvey 292 2362

3 2019 rMove 9513 14003

4 2019 rSurvey 402 1869

SELECT sample\_source, survey\_year, household\_id, o\_tract10, d\_tract10, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh, hhsize

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=21200266 and travelers\_hh>1

one person put the time down as 11:50 am; the other put it down as 1:05 pm

should have been a joint rip

SELECT sample\_source, survey\_year, household\_id, o\_tract10, d\_tract10, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh, hhsize

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=21200377 and travelers\_hh>1

children’s travel not recorded – joint shopping trip

SELECT sample\_source, survey\_year, household\_id, o\_taz2010, d\_taz2010, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh, hhsize

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=21200377 and travelers\_hh>1

missing trip for one of the legs of a shopping tour

SELECT sample\_source, survey\_year, household\_id, o\_taz2010, d\_taz2010, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh, hhsize

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=21203222 and travelers\_hh>1

one person was entered as going to another store, but not the other

SELECT sample\_source, survey\_year, household\_id, o\_taz2010, d\_taz2010, person\_dim\_id, trip\_id, tripnum, arrival\_time\_hhmm, arrival\_time\_mam, origin\_name, dest\_name,age, mode\_1, dest\_purpose,travelers\_hh, hhsize

  FROM [Elmer].[HHSurvey].[v\_trips]

  where household\_id=21203927and travelers\_hh>1

origins and destinations adding up