

# Survey

•Object: every trips in a given day •Autumn 2003, winter 2004 in Tuscany. Apulia, Sicily •1820 people interviewed •Study restricted to two age classes: 30-40 and 55-65 years old residents •Sample stratified by gender, age class, region and habitat (urban, rural) •About 7.600 trips observed in a day \*Measured variables: the leaving time, the reason, the destination, the mean of transportation, the distance, the duration, group •Individual characteristics: gender, age, professional status, educational level, residence, housefuld variables

Average number of daily trips							
Sex	Generation	Apulia	Sicily	Tuscany	Total		
F	39-48	3.09	3.56	3.11	3.22		
	64-73	3.99	4.59	4.48	4.37		
	Total	3.65	4.20	3.82	3.88		
м	39-48	4.02	4.44	4.34	4.28		
	64-73	4.65	4.63	4.81	4.71		
	Total	4.38	4.55	4.60	4.52		
Total		4.04	4.38	4.21	4.21		

Average covered distance in a day							
Sex	Generation	Apulia	Sicily	Tuscany	Total		
F	39-48	27.88	13.74	21.39	21.00		
	64-73	31.65	39.52	28.26	32.64		
	Total	30.23	29.64	24.94	27.67		
	39-48	33.25	24.17	33.02	30.71		
м	64-73	60.56	46.24	60.30	56.47		
	Total	49.04	36.84	48.09	45.28		
Tota	ıl	40.24	33.30	36.65	36.72		
Average time in movement per day							
	Average t	ime in m	ovemen	it per day			
Sex	Average t Generation	ime in m Apulia	ovemen Sicily	t per day Tuscany	Total		
Sex					Total 40.86		
Sex F	Generation	Apulia	Sicily	Tuscany			
	Generation 39-48	Apulia 41.21	Sicily 43.43	Tuscany 39.43	40.86		
	Generation 39-48 64-73	Apulia 41.21 54.31	Sicily 43.43 63.77	Tuscany 39.43 56.64	40.86 58.12		
	Generation 39-48 64-73 Total	Apulia 41.21 54.31 49.37	Sicily 43.43 63.77 55.98	Tuscany 39.43 56.64 48.32	40.86 58.12 50.75		
F	Generation 39-48 64-73 Total 39-48	Apulia 41.21 54.31 49.37 56.68	Sicily 43.43 63.77 55.98 59.80	Tuscany 39.43 56.64 48.32 66.11	40.86 58.12 50.75 61.79		

### s and conor ge pe ree analyzed variables show regional differences apparently in co ifferent social, urban and infrastructural systems in the three reg nt social, urban and infras

# Men's mobility is much greater than wome

•Men produce, women reproduce •Men move more likely to work and save time

for leisure and friends •Women supply household and accompany

(children)

(children)
•Differences increase along with age
•At 55-65 women make 32% fewer moves than men. Men substitute women in the family network care, for carrying relatives and spend a lot of time in leisure

•At the younger age class difference between gender are less clear than at the older age class •We can observe an "imprisonment" of the women into the house and for houseworks Age or generation effect?

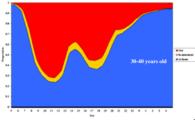
Sample Survey in three Italian Regions on taking root, daily moving, migratin

# Some results on daily urban mobility

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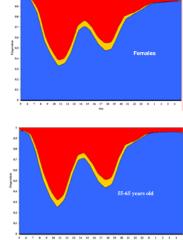
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•Most of the time is spent •Returning back home for lunch is usual





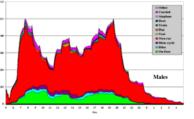
me by day time

At lunch time hardly 42% of males are out and less than 27% of females At lunch time hardly 42% of males are out and less than 27% of females At 11:02 a.m. (time of maximum use of external space) 70% of men are out, 14% are moving and 16% are however.

Female

•For women: 34%, 5%, 61%

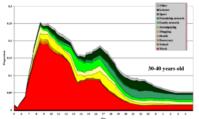
#### Proportion of interviewed by the me on by day time

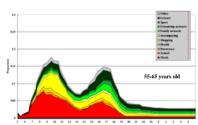


Women have moving behaviors slightly more ecologically correct. They walk more and they keep bus more. They, also, are more often passengers
 Men, except for biking, prefer motorcycle and overall his own car

Proportion of interviewed by n

•68% of moves are made in his own car Plus moves by motorcycles, it reaches 70%.
•Plus moves in others' car, it sums 73% by private vehicle. (3,06 average per person/day)





Family

Frier ship

0.20 0.23

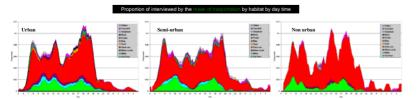
0.25 0.11 0.20 0.14 3.82

0.19 0.13 0.09 0.15 0.17 0.12

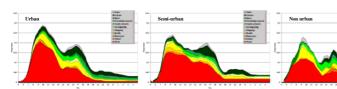
4.60 4.21

17





#### n by habitat by da Proportion of interviewed



## Multi-level model (pilot survey)

0.43 0.35

□ Log of distance covered and number of trips were modelled as functions of some characteristics that were collected regarding each individual: sex and age

Log of distance covered: Normal model

Number of trips: Poisson model

0.05

Coefficients	Log-cove red distance		Numberoftrips	
COURCEME	Estimate	Pr(> z )	Estimate	Pr(> z )
Sex (1=Fem ale)	-0.4601	0.000	-0.0465	0.187
15-29	0.8364	0.000	0.2804	0.001
30-44	0.8642 0.6119 0.3100	0.000 0.000 0.123	0.2988 0.2948 0.3061	0.000 0.001 0.001
45-59				
60-74				
>74	-1.2597	0.023	-0.0989	0.730
Const.	2.1.562	0.000	1.1444	0.000
Variance at level 1	1.1186			
Variance at level 2	0.6677			
a			0.0342	

an males per day

Average number of daily trips by motivation (Tuscany)

0.04 0.05 0.05 0.26

0.05 0.07

ion by day time

Total

м

То

0.59 0.56 0.03

0.54

1.05 0.01 0.81 0.02