Nina Karasmaa: The Transferability of Travel Demand Models. An Analysis of Transfer Methods, Data Quality and Model Estimation.

ERRATA

page 41, on top of the page: in the upper level should be in the lower level

page 46, before formula (18): A_i should be only i

pages 202-203 should be: (pages below)

APPENDIX I

The average RSEE and RSEEF-values for 100 transferred models, home-based work trips in the Turku region. (The best method and results are shaded)

Home-based work trips				
	RSEE (%)		RSEEF (%)	
sample size 425	ptr time + 30 %	car costs + 10 %	ptr time + 30 %	car costs + 10 %
new model	34.1	63.5	30.0	74.2
transfer scaling	34.7	65.1	30.6	65.7
Bayes	65.3	102.4	31.8	98.5
combined transfer est.	33.7	61.6	29.3	73.8
joint context est.	32.4	53.0	17.0	64.6
sample size 850				
new model	26.8	41.3	24.1	49.4
transfer scaling	26.4	41.8	23.7	44.5
Bayes	66.1	98.8	35.9	96.3
combined transfer est.	26.5	40.7	23.5	52.2
joint context est.	19.6	35.5	13.5	52.9
sample size 1,700				
new model	17.2	28.1	15.3	34.5
transfer scaling	17.6	32.2	18.0	39.6
Bayes	65.6	90.1	38.6	95.2
combined transfer est	17.5	28.7	15.7	36.5
joint context est.	14.0	31.6	10.9	45.0
sample size 3,400				
new model	13.0	19.0	10.7	29.5
transfer scaling	12.6	20.9	13.0	30.7
Bayes	58.7	82.4	38.2	90.4
combined transfer est	13.2	19.1	10.9	29.8
joint context est.	11.2	18.0	9.2	27.3
Sample size 4,675				
new model	11.7	15.1	10.5	25.7
transfer scaling	12.1	19.1	13.6	34.8
Bayes	55.6	65.2	34.0	87.5
combined transfer est	11.9	17.0	10.4	26.0
joint context est.	10.3	15.5	9.4	25.0

APPENDIX J

The average RSEE and RSEEF-values for 100 transferred models, other home-based trips in the Turku region. (The best method and results are shaded)

Other home-based trips				
	RSEE (%)		RSEEF(%)	
Sample size 140	ptr time + 30 %	car costs +10 %	ptr time + 30 %	car costs +10 %
new model	75.7	32.7	67.6	27.1
transfer scaling	81.9	33.4	51.8	24.7
Bayes	96.9	23.7	32.5	6.6
comb. transf. est.	75.2	32.1	65.9	25.9
joint context est.	45.5	30.7	35.2	19.4
sample size 275				
new model	60.5	25.8	51.3	19.7
transfer scaling	77.3	29.4	50.7	18.1
Bayes	101.7	23.7	34.3	6.9
comb. transf. est.	59.5	25.5	49.2	17.1
joint context est.	36.6	23.2	27.3	12.9
sample size 550				
new model	41.0	20.3	35.2	14.8
transfer scaling	63.6	23.1	42.0	16.1
Bayes	105.8	23.1	42.2	5.0
comb. transf. est	40.3	20.7	34.6	14.6
joint context est.	27.1	17.9	25.3	10.4
sample size 1,100				
new model	29.9	14.2	23.6	9.7
transfer scaling	64.1	18.9	41.2	11.1
Bayes	106.7	22.6	46.5	4.8
comb. transf. est	29.5	14.3	23.3	9.7
joint context est.	22.6	13.6	16.9	7.5
sample size 2,300				
new model	23.9	10.9	19.0	5.8
transfer scaling	66.4	16.7	42.9	8.8
Bayes	96.9	20.1	48.0	3.9
comb. transf. est	23.6	10.9	19.0	5.8
joint context est.	19.4	11.5	16.0	9.0
sample size 4,675				
new model	15.0	7.1	11.9	3.8
transfer scaling	64.1	14.4	39.0	7.6
Bayes	79.0	17.8	49.2	3.2
comb. transf. est	14.8	7.1	11.9	3.7
joint context est.	15.3	7.2	10.0	5.4