

Preferred citation style for this presentation

Axhausen, K.W., V.S. Chalasani, J.-M. Denstadli and Ø
Engebretsen (2005) Detour factors: A brief summary of recent
Swiss and Norwegian results, TRB ABJ 30 committee meeting,
Washington, D.C., January 2005.

Detour factors: A brief summary of recent Swiss and Norwegian results

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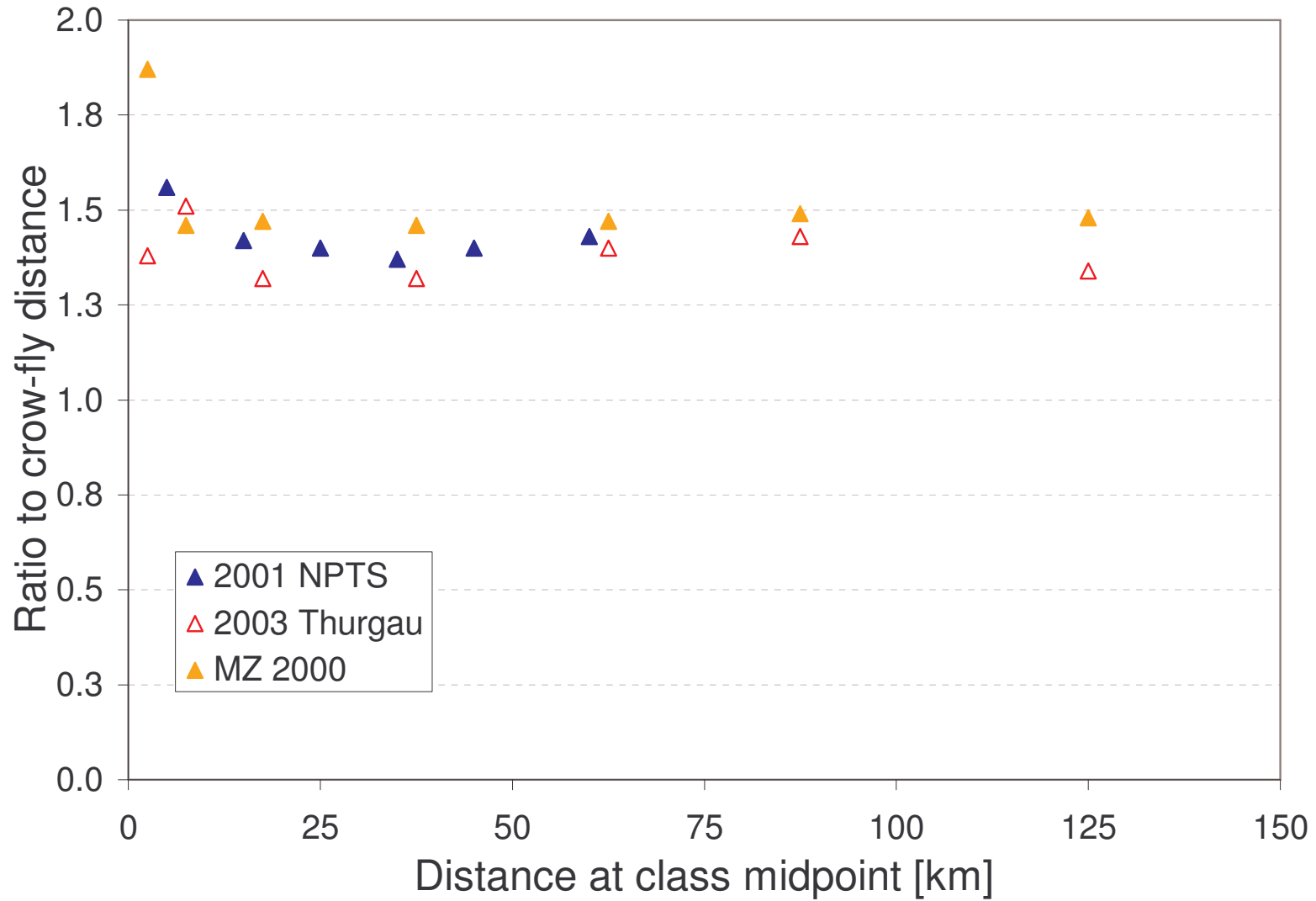
Common distance estimates

Type	Source
Reported distance	Survey respondent
Crow fly distance	GIS (after geocoding)
Shortest distance path distance	(Navigation) network
Shortest time path distance	(Navigation) network
Mean distance of assigned paths	Assignment model

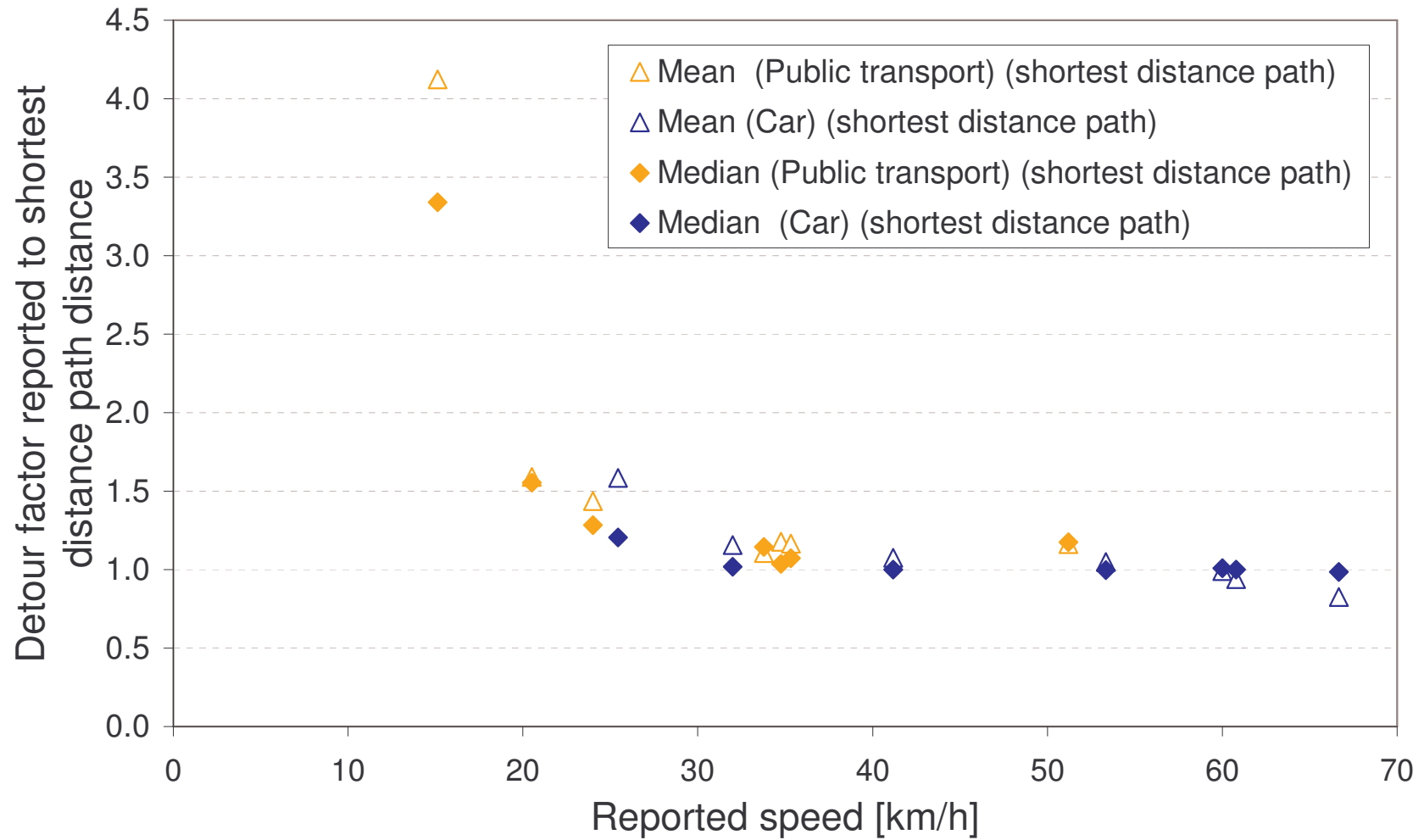
Swiss Mikrozensus (MZ) 2000: Detour factors

Average detour factor with	Crow fly distance		Shortest distance paths	
	Distance band	Shortest distance path distance	Shortest time path distance	Shortest time path distance
0 to 5 km	1.83	1.87	1.01	1.02
5 to 10 km	1.39	1.46	1.04	1.05
10 to 25 km	1.35	1.47	1.09	1.09
25 to 50 km	1.31	1.46	1.11	1.11
50 to 75 km	1.31	1.47	1.12	1.12
75 to 100 km	1.32	1.49	1.13	1.13
100km plus	1.26	1.48	1.16	1.16

Mean detour factor: Shortest time path distance to CFD



MZ 2000: Reported to shortest distance path distances



Source:

Chalasanani, V.S., J.M. Denstali, Ø. Engebretsen and K.W. Axhausen
(2004) Precision of geocoded locations and network distance
estimates, *Arbeitsbericht Verkehrs- und Raumplanung*, **256**,
IVT, ETH Zürich, Zürich.

to be found at:

<http://www.ivt.ethz.ch/vpl/publications/reports/ab256.pdf>