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Outline

- Introduction to research setting
- SimMobility microsimulation platform
- Developing 'car-lite' neighborhoods
- Modeling housing dynamics
- Singapore example
- Implications and conclusions

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J. Ferreira – AUM 2020 – Session 7
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 Data sources (2012 synthetic population Travel surveys (HITS 2008, 2012, 2016; LT Census (Singstat, MOM,) Built environment (SLA 2008, 2012, 2016) Real estate transactions (REALIS & HDE 	A) ; URA)	
Resolution and scale		
 Households 1.15m 'resident' households 81.3% in public (HDB) housing 4.1m of 5.1m individuals Workstation performance 45 min/yr on 8 thread, 32 GB Windows-10 WSL2/Ubuntu 75 min/5-yrs on 96 thread 64 GB 	Area	Count
	Planning Regions	6
	Planning Areas	55
	Traffic Analysis Zones	1,169
	Postcodes	116,624

















