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Requirements of pedestrian behavior models									
	advantage	disadvantage							
✓Crowd dynamics									
✓Transport model	•Suitable for description of selection behavior	Several things can't be represented: • interaction between others/environment •cognitive process of pedestrian							
✓ Stochastic model	<ul> <li>Useful for being briefed on how people move around</li> <li>Capable of representing changeability of movements</li> </ul>	<ul> <li>Inadequate to small scale movement</li> <li>Not explain why they choose certain place</li> </ul>							
Understand and explain real pede		Represent dynamic interaction process between pedestrians and their environment							
New pedestrian behaviour models are needed									
CASA Centre	for Advanced Spat	tial Analysis 27 🚊							



















	 ↓	action surfa	<u>ce (matrix)</u>	for each sho	opper
		-			
Marks & Spencer	90%	43%	57%	70%	9%
Joseph	30% 95%	1% 14%	22% 89%	20% 15%	39% 94%
Boots Monsoon	95% 60%	0%	89% 23%	50%	94% 22%
HMV	12%	90%	31%	82%	11%
Dickson	4%	82%	40%	14%	42%
Sony store	2%	70%	5%	23%	25%
CASA Cen	tre for Aa	lvanced S	patial Ana	lysis 3	

































Walking	speed								
	Tanaboriboon				Navin and Wheeler	Laser data			
Walking speed	Male	Female	General	General	General	General			
Average	1.32	1.15	1.23	1.33	1.31	1.27			
SD	0.20	0.18	0.20			0.36			
Max	2.05	1.68	2.05			2.98			
Min	0.73	0.63	0.63			0.10			
0.75[m/sec] < free walk < 2.33[m/sec] < running									
🖗 CASA C	entre fo	r Advan	ced Spa	atial Ana	lysis 54				











