







Background								
Pedestrian-oriented urban planning								
✓Safety	less crime, fewer traffic accidents							
✓Convenience	accessibility to transport, shops, services							
✓Amenity	comfortable walking environment							
Actual movements Necessary information Influential factors	Needs for Pedestrian behavior model							















	advantage	disadvantage
✓Crowd dynamics	Well represent micro-scale physical response Dynamic	Not take it into account: • where they are going to and why • pre-fixed route = static model • geographical attributes
✓Transport model	 Suitable for description of selection behavior 	Several things can't be represented: • interaction between others/environment •cognitive process of pedestrian
✓Stochastic model	Useful for being briefed on how people move around Capable of representing changeability of movements	 Inadequate to small scale movement Not explain why they choose certain place











Typology of shoppers										
	Shop-till-you-drop consumer				middle People who doesn't like to shop		pesn't like p			
Category 1	Shop explorer			Repeat guest (Regular customer)		Buying motives YES	Buying motives NO			
Category 2	Buying motives YES	Buying motives NO	Buying motives POTENTIAL		Shopping opportunity (Time)					
Proposed critical factor	Satisfaction	information	Visibility of potential purchases	Fixed route	Visibility of potential purchases	Spatial knowledge				
Route			* * * *		F		×			
Behaviour pattern	Complex Time: long	Try to see whole area	Shortest path & Other factors	Shortest path Time: long	Deviate from prefixed route by visual stimulus	Shortest path Time: short	not go shopping			

















