

Model	Model characteristics	Data characteristics	Advantages	Disadvantages
Exponential smoothing	linear	<ul style="list-style-type: none"> deterministic stationarity small quantity continuity 	<ul style="list-style-type: none"> small quantity of data needed 	
ARIMA		<ul style="list-style-type: none"> stochastic non-stationarity small quantity 	<ul style="list-style-type: none"> well established theoretical background 	<ul style="list-style-type: none"> focus on mean, miss the extremes sensitive to missing data
Kalman filtering			<ul style="list-style-type: none"> multivariate modelling 	
Nearest neighbour			<ul style="list-style-type: none"> simple model structure multivariate modelling robustness to missing data 	
Neural networks			<ul style="list-style-type: none"> able to map complex tempo-spatial relationships multivariate modelling accurate multistep-ahead predictions robustness to missing data 	data and computation intensive
Bayesian networks			<ul style="list-style-type: none"> multivariate modelling 	
Support vector machines				