

# Assignment 1

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	Deterministic vs. stochastic	Episodic vs. sequential	Static vs. dynamic	Discrete vs. continuous	Fully observable vs. partially observable	Single agent vs. multiagent
Playing soccer	Stochastic	Sequential	dynamic	continuous	partially observable	multiagent
Brushing your teeth	Deterministic	Episodic	Static	continuous	partially observable	Single agent
Playing a tennis match	Stochastic	Sequential	dynamic	Continuous	Fully observable	multiagent
Practicing tennis against a wall	Stochastic	sequential	dynamic	continuous	Fully observable	Single agent
Deciding what item to take at hostel lunch	Deterministic	Episodic	Static	Discrete	Fully observable	Single agent

## Deciding what item to take at hostel lunch

Deterministic – The choice I take is determined by only me.

Episodic – My choice of one food item does not (should not; although sometimes the rule does not hold true as I may leave all other food items if given the choice of my favorite dish) affect my choices for other foods.

Static – The situation of available choices of food items does not change. Any factors which might influence my decision do not change. (Although if someone takes a lot of time to decide and finally finds out that only one or two food items are left to eat, his choices might change.)

Discrete – There is no continuous distribution. Only finite number of choices.

Fully Observable – All the food items are fully visible.

Single agent – I am the only one influencing the situation. (Assuming that the hostel food does not get over.)