Class Methods: Each agent class is required to have the following methods so that it is incorporated into the simulation correctly.

1. **init Function:** Collects all parameters used for identification and simulation. Creates a `cv` dictionary of values that can be used in later automation.
2. **getPref:** Uses information gathered from `init` process to return the agents PSLF reference object.
3. **getPvals:** Sets `cv` values to that of the PSLF object.
4. **setPvals:** Sets PSLF values to that of the python mirror
5. **makeAMQPmsg:** Creates a dictionary message that contains required information for find functions and any values that should be updated.
6. **recAMQPmsg:** Set the received AMQP message values to current agent values.
   (a) AMQP functions require the agentUpdate AMQP function to be altered.
   (b) A suitable find function is also required
   (c) The find function should use a search dictionary to optimize searching.
7. **initRunningVals:** Create lists of appropriate length for any running values to be recorded during simulation.
8. **logStep:** Sets current values to corresponding running value in log lists.
   (a) Agent collection must be added to the log collection so that its logStep method is called every step.
9. **popUnsetData:** Removes any unset data in the case of a system crash
10. **getDataDict:** Returns a dictionary with running values. Used for .MAT export.

runSim_IPY: Agent collection should be added to the `agentPSLFupdate` list.