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Excercise-4.1

Que: Do you think it is possible to have machine learning at all using the Rationalist philosophy?

Ans: One can think of a model based on rationalist approach if we have a setup like:

Lets take a system A for a few years, and randomly take some of its data (maybe feature matrices, etc). Now take a newer system B. Give it some data from A (i.e initialize some of its feature matrices to that of A instead of 0,0,,0..) and train B. Do this repeatedly on many systems and finally take another system say Z to which share the previous generation's data but do not train the system this time. Directly test it, If it does much better than A (before A was trained). Then in some simplified ways it has qualified to be a rationalist AI model. But one can argue that it is based on empiricist philosophy as we train it on that basis. So maybe we cannot have machine learning totally based on Rationalist philosophy but yeah in future there can be methods which may follow this rationalist approach in a much greater depth.