

Announcements

- No readings this week
- Assignment:
 - due Saturday March 16 by 11.59pm
 - One notebook
 - Chosen from last week (AB testing + multi-armed) or this week
- Office hours:
 - 4-5pm also on Thursday



Machine Learning

DSC 96

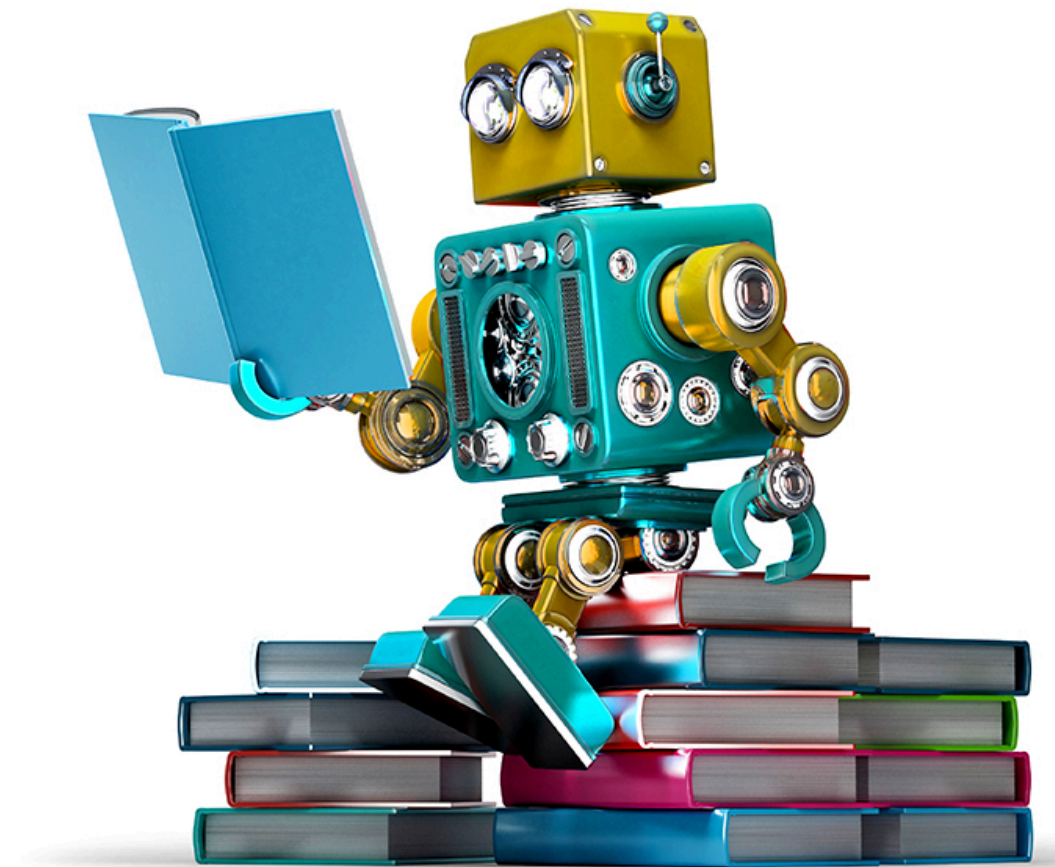
Giorgio Quer

gquer@scripps.edu

[@GiorgioQuer](https://twitter.com/GiorgioQuer)

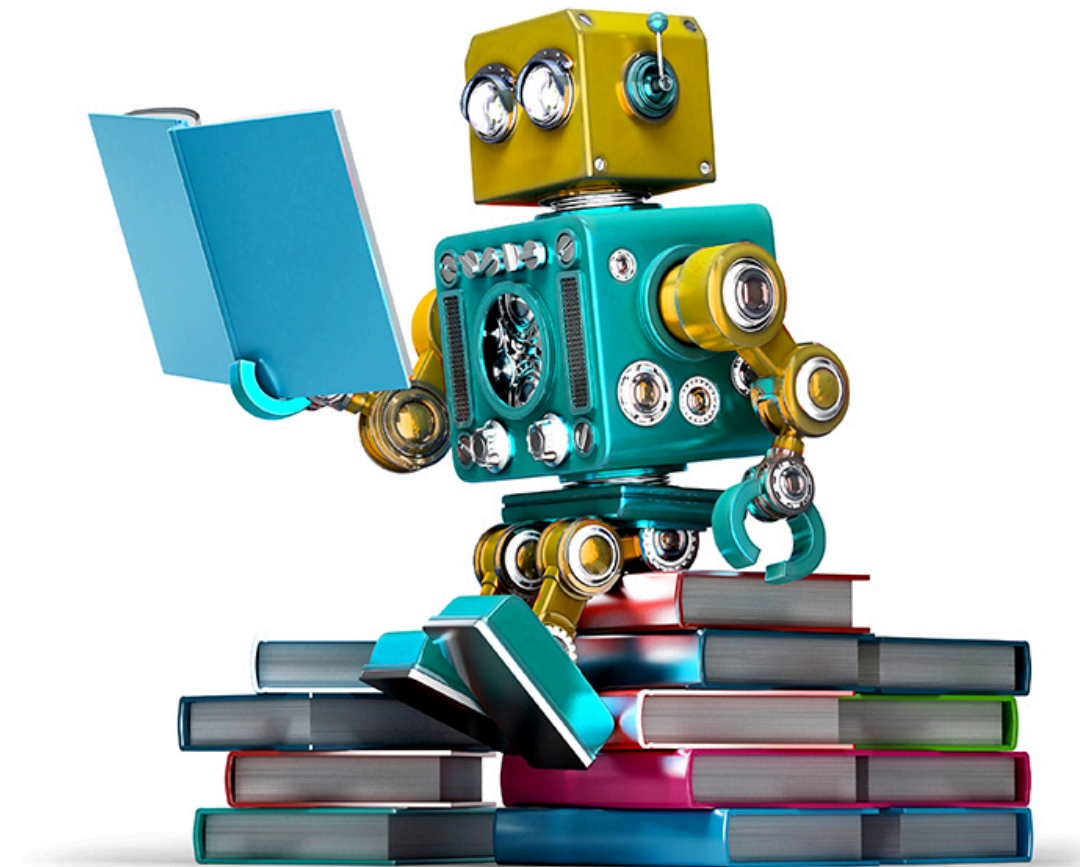
What is Machine Learning?

- Arthur Lee Samuel, 1959:
 - ML gives computers the ability to learn without being explicitly programmed



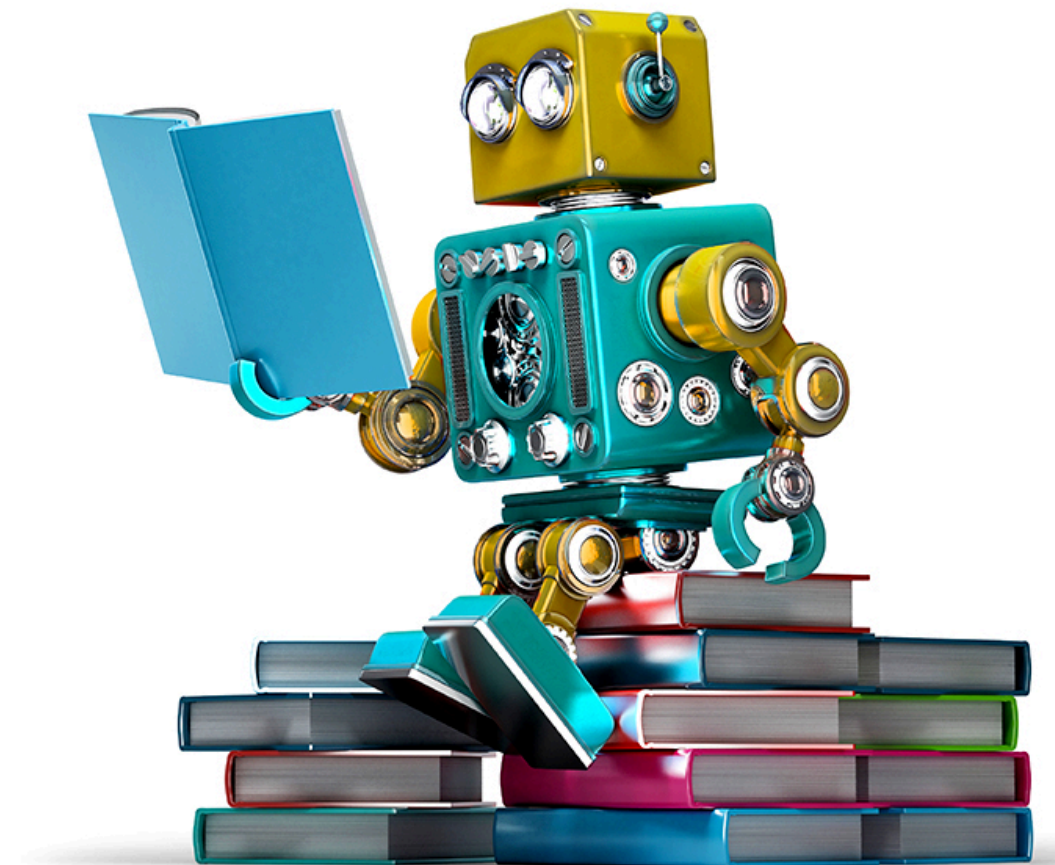
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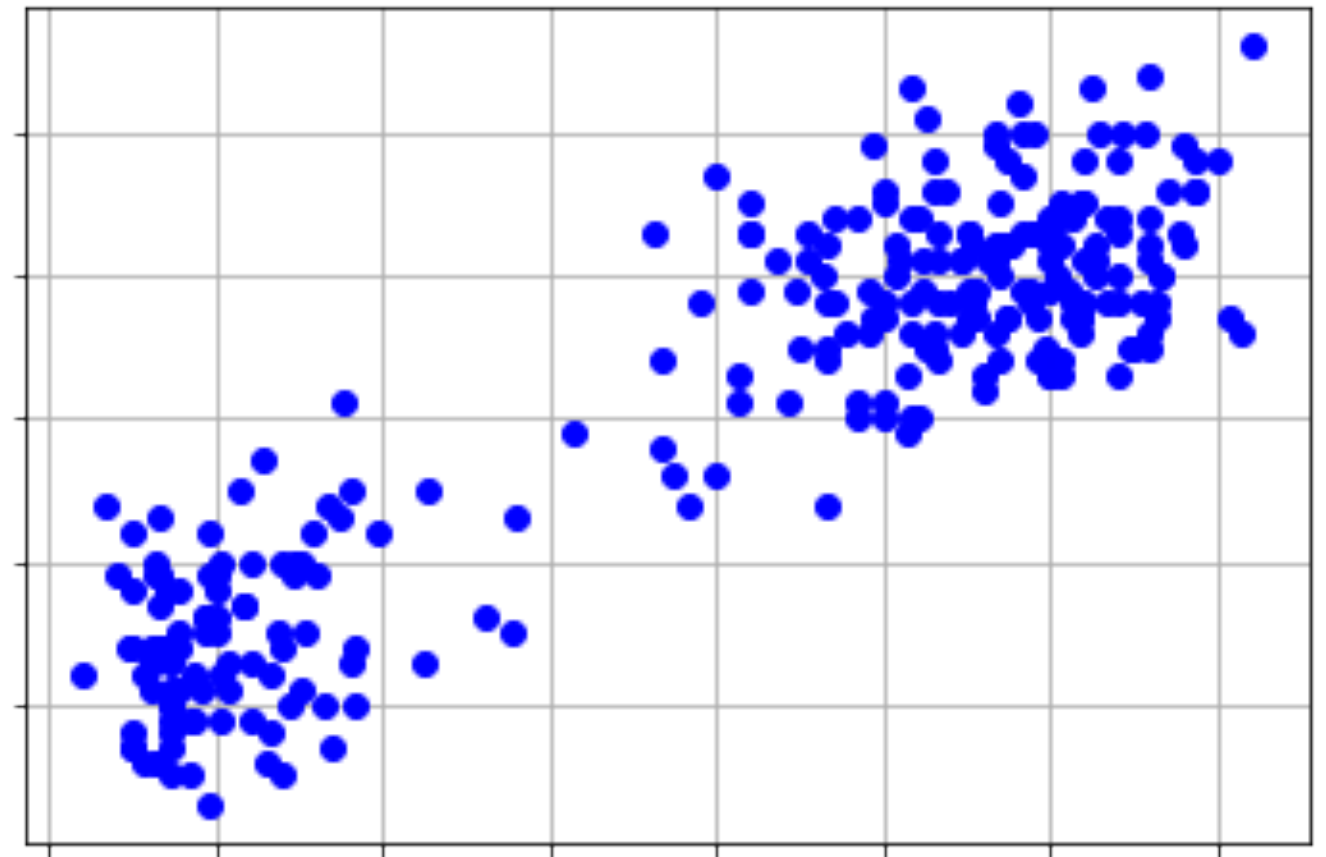
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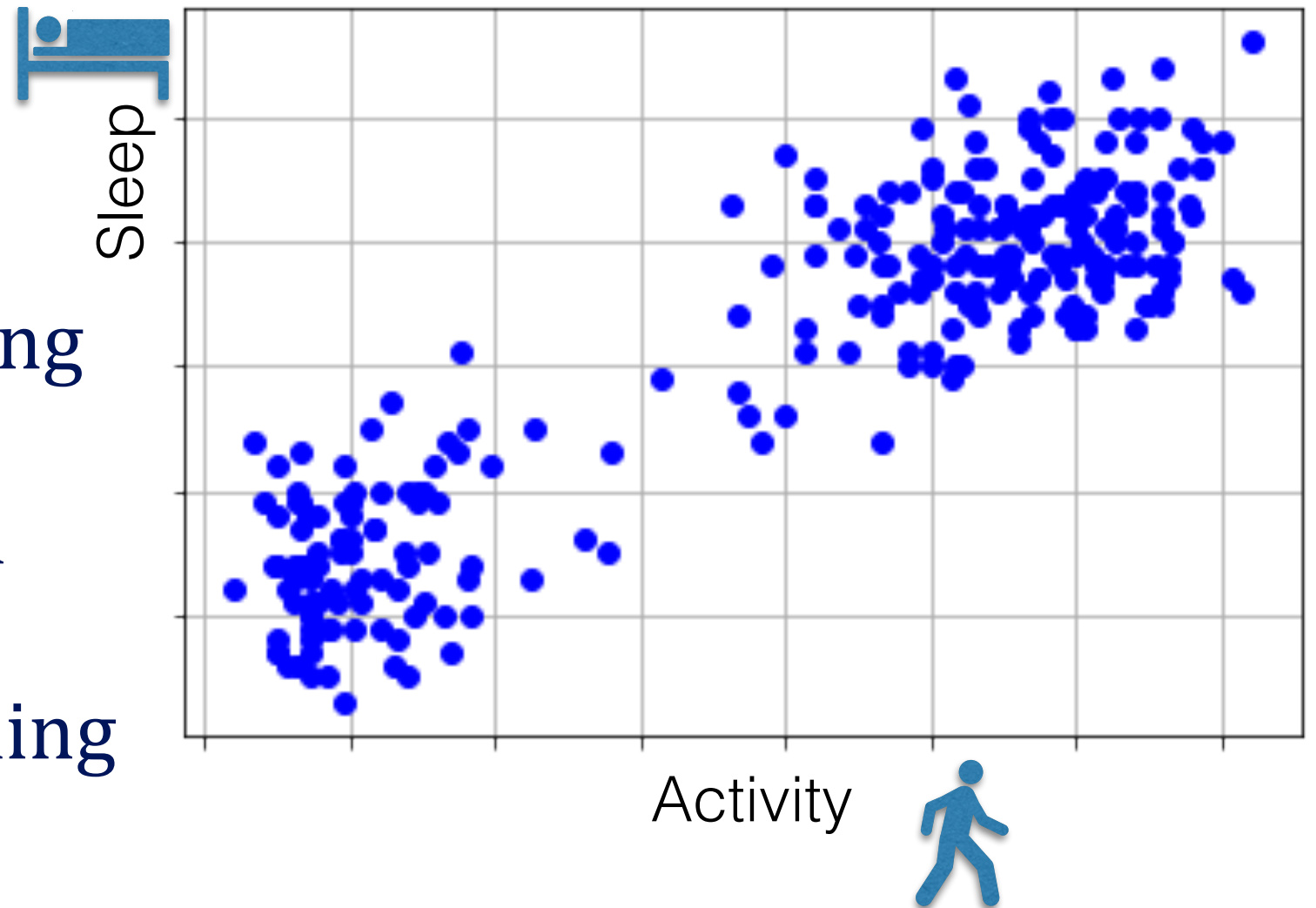
Machine Learning

- Supervised Learning
 - Regression
 - Classification
- Unsupervised Learning
 - Clustering
 - Density estimation
- Reinforcement Learning



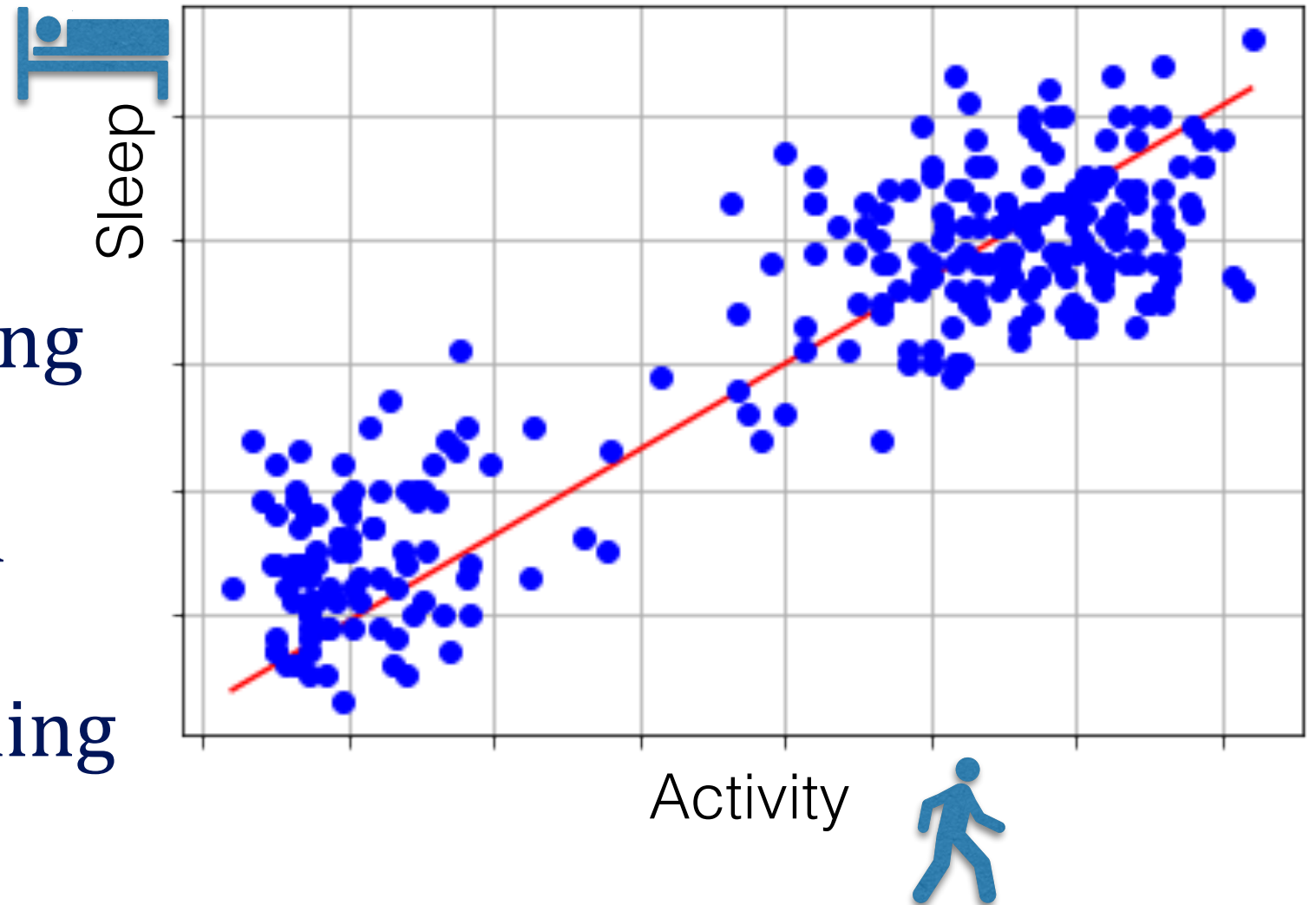
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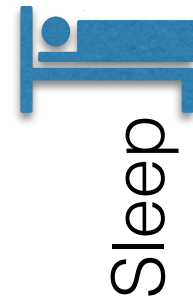
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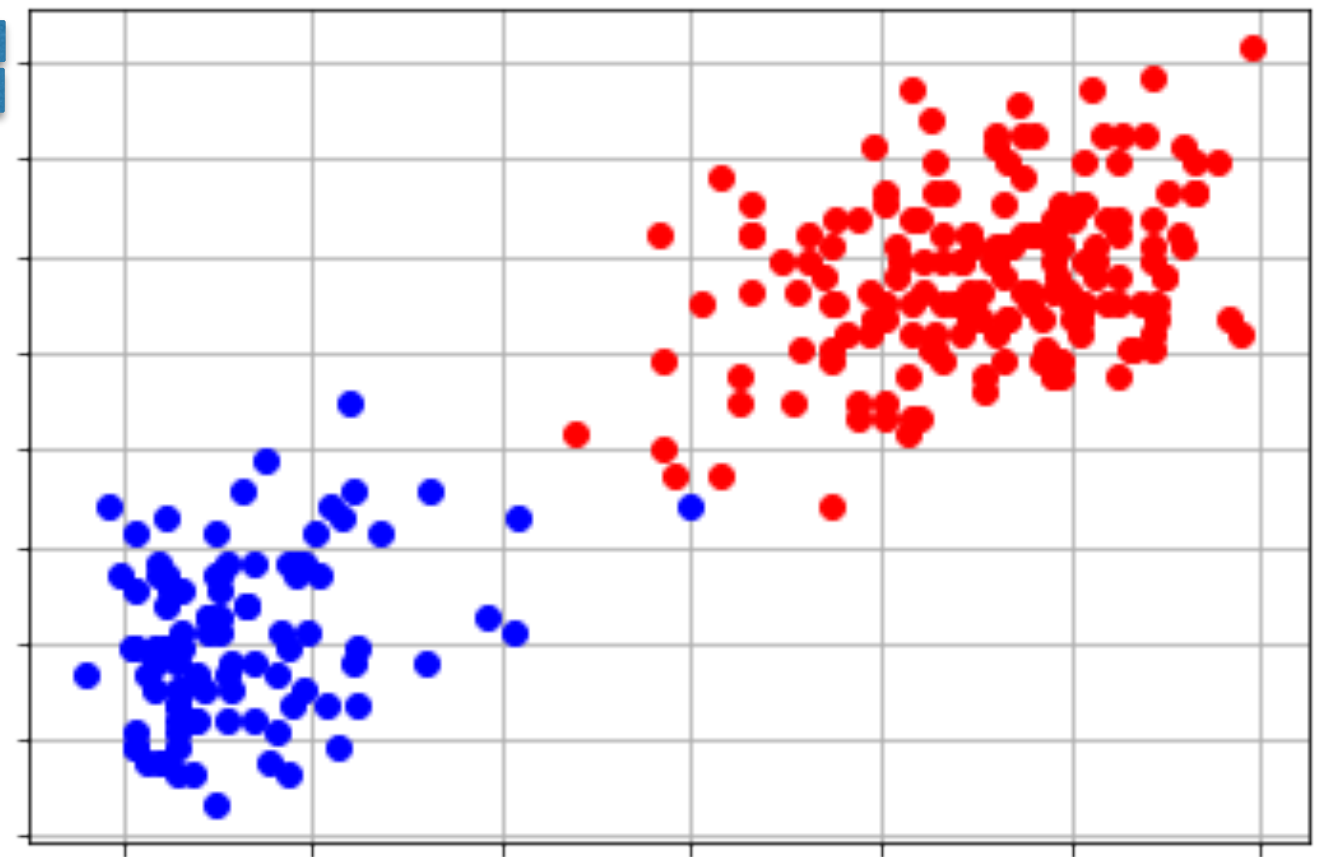


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Sleep

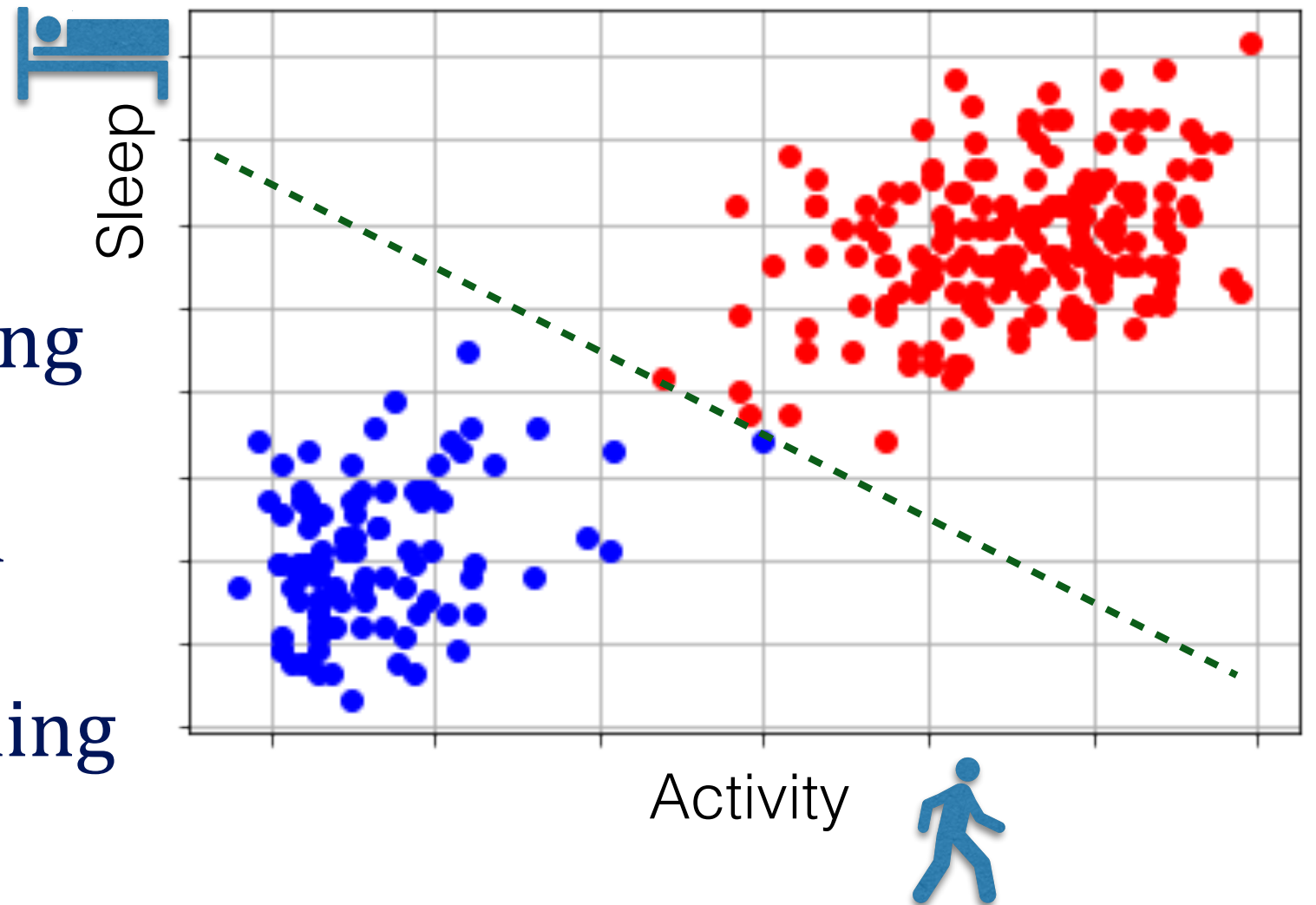


Activity



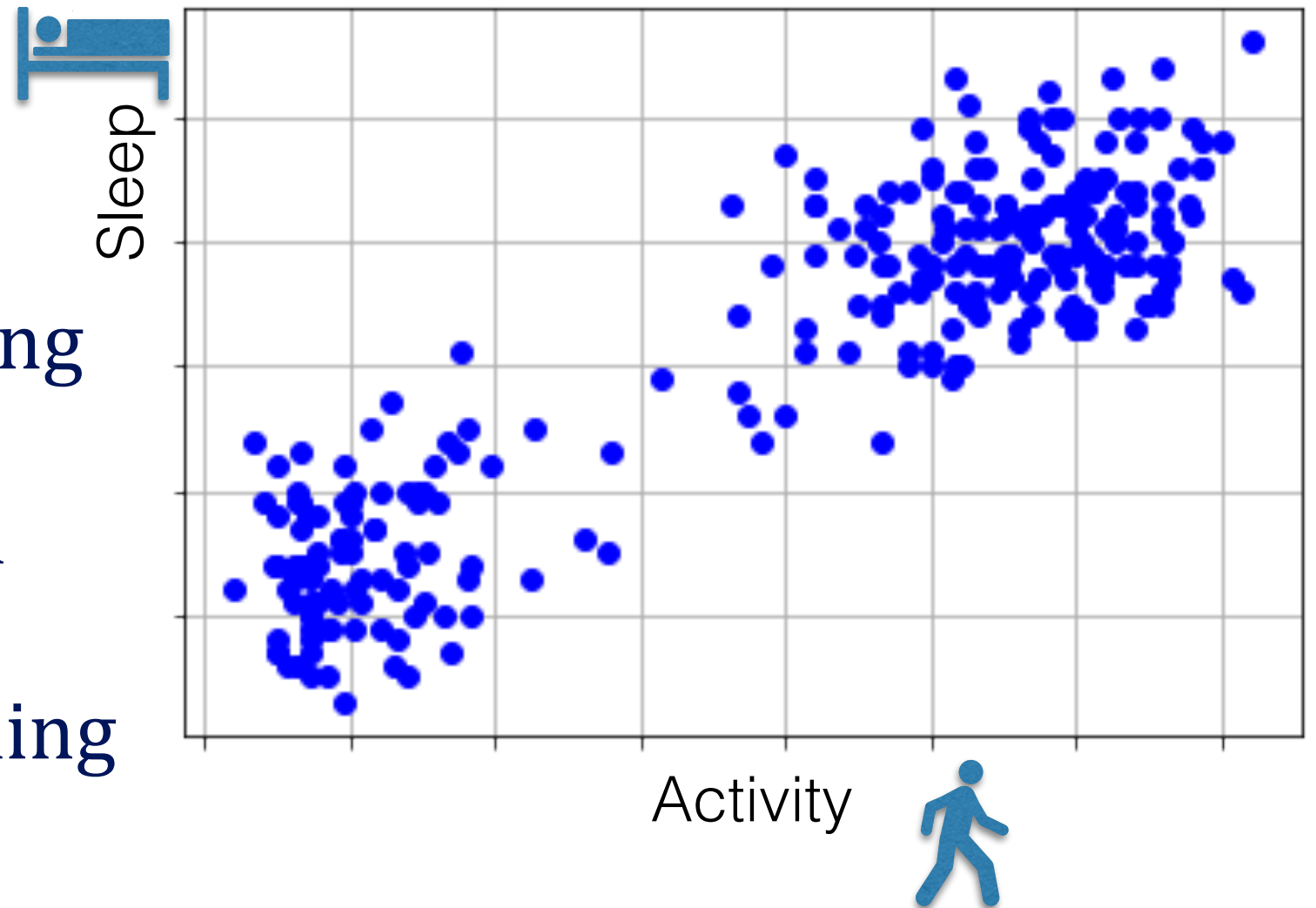
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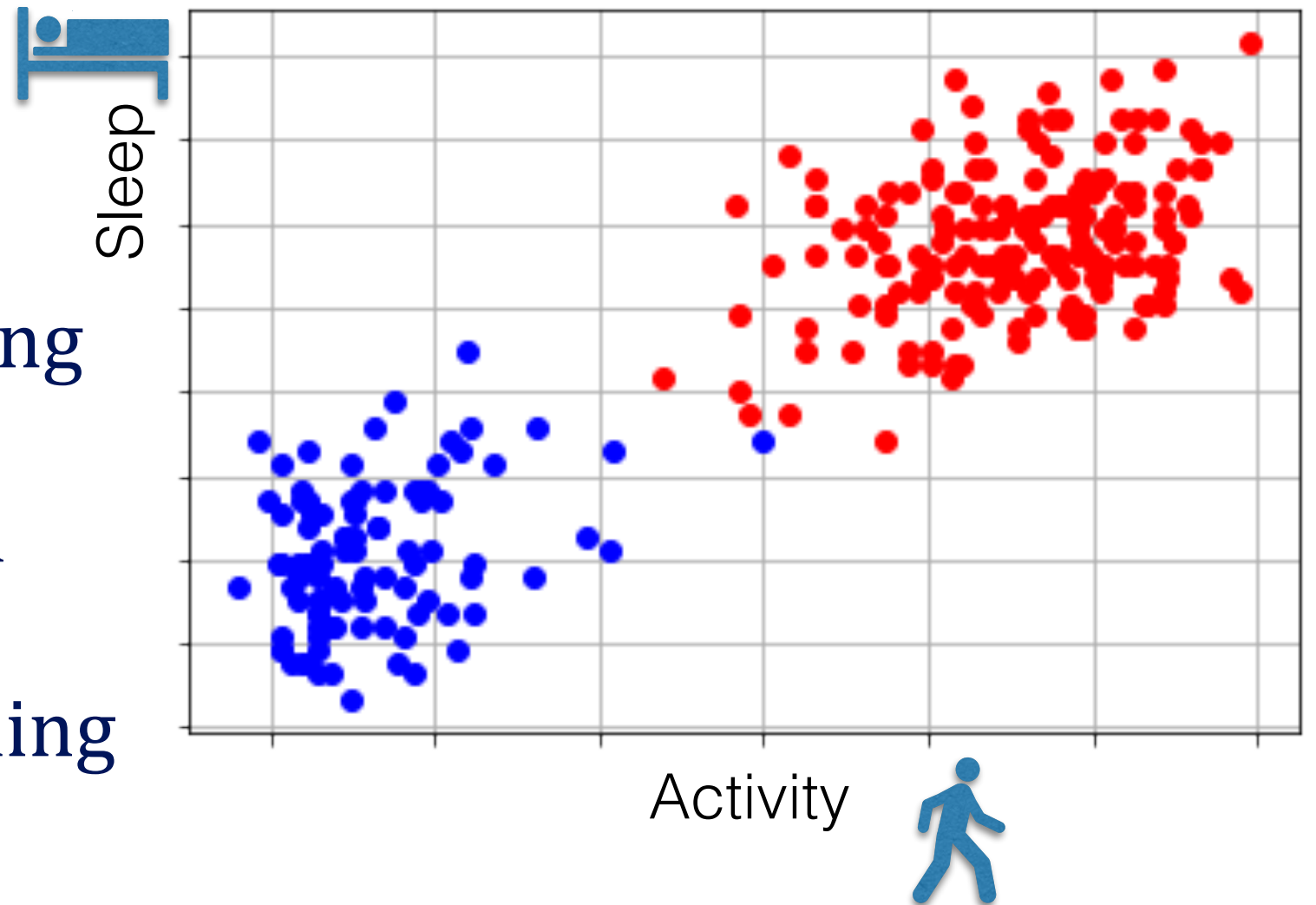
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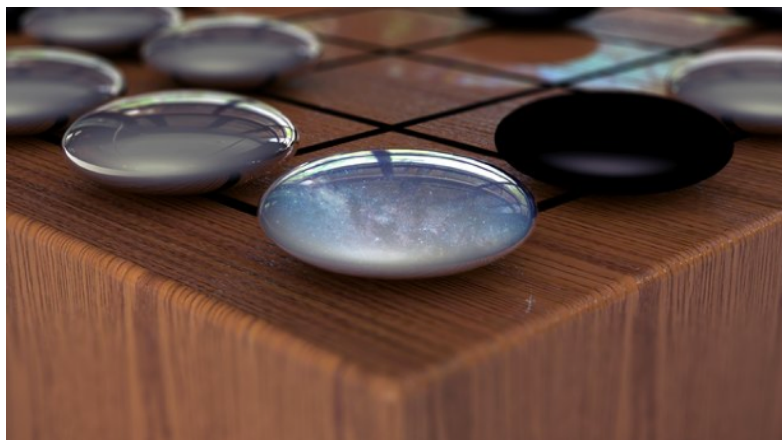
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Machine Learning

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- Reinforcement Learning
 - Deep Mind: play Go



K-means
