

Machine Learning in Health

Using ML/DL in medical applications

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Masters Project

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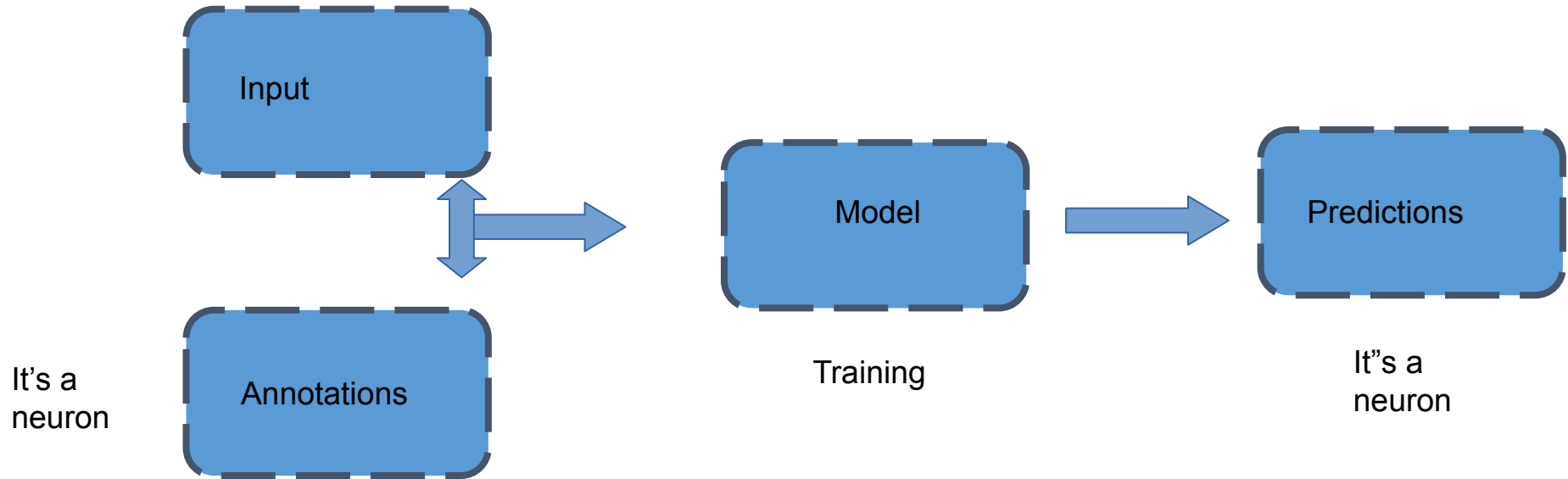


HelmholtzZentrum münchen
German Research Center for Environmental Health

Institute of
Computational Biology

Neural cell fate prediction using time-lapse
microscopy images

Supervised Learning



PhD Project



Computational Methods to Achieve Real-Time Whole Brain Imaging in Behaving Animals

Computational methods pave the way towards smart and active
microscopy

Take home message

1. ML models are data driven
2. Supervised Learning has both inputs and annotations
3. Understanding data is key
4. Visualising data always helps
5. There are different types of (image) data
6. You do not always need to use ML models
7. Simpler the model, the better