

Invariant and Equivariant Neural Networks

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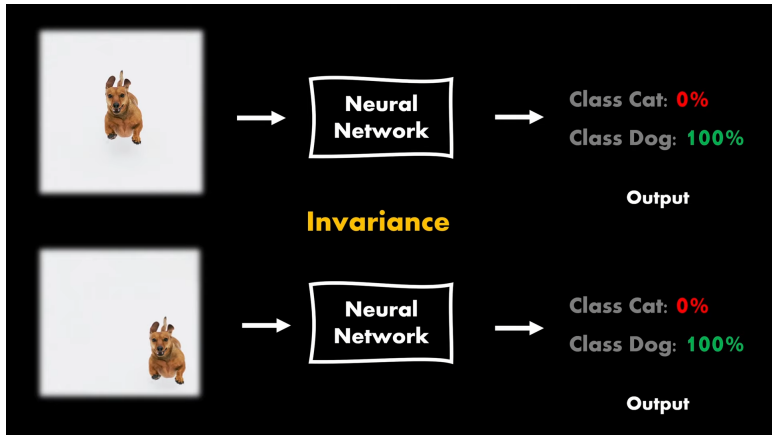
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- 2 Invariance and Equivariance
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Introduction

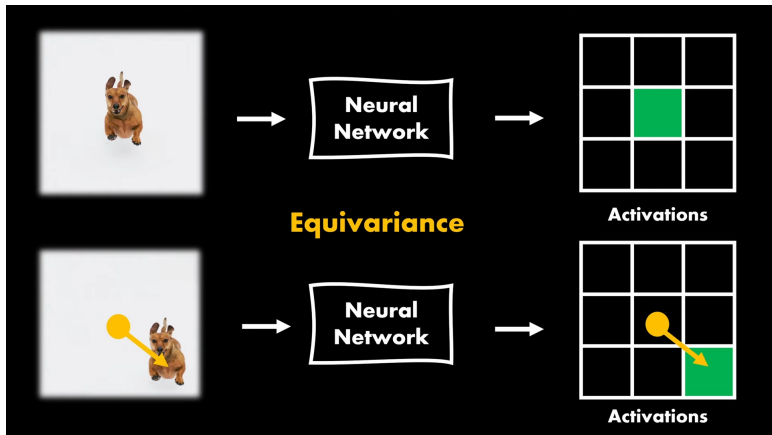
Introduction

- Intro

Invariance



Equivariance



Frame Averaging

Frame Averaging

- Method to introduce equivariance and invariance to networks

Frame Averaging

- Method to introduce equivariance and invariance to networks
- Averaging over subset of group instead of whole group

Frame Averaging

- Method to introduce equivariance and invariance to networks
- Averaging over subset of group instead of whole group
- Efficient and expressive

Outlook

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- Introduce layer-wise equivariance in decoder

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- Each layer represents features

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- Each layer represents features
- Mesh \rightarrow Mesh