

2. Inferring Class Representatives

Prior work focused on properties of an **entire class**, e.g.:

Model Inversion [Fredriksson et al. CCS'15]

GANattacks [Hitajiet al. CCS'17]

Eng: given a gender classifier, infer what a male looks like

But... shouldn't **useful** machine learning models reveal **something**
about **population** from which training data was sampled

Privacy leakage \neq

Adv learns something about training data





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Intuition