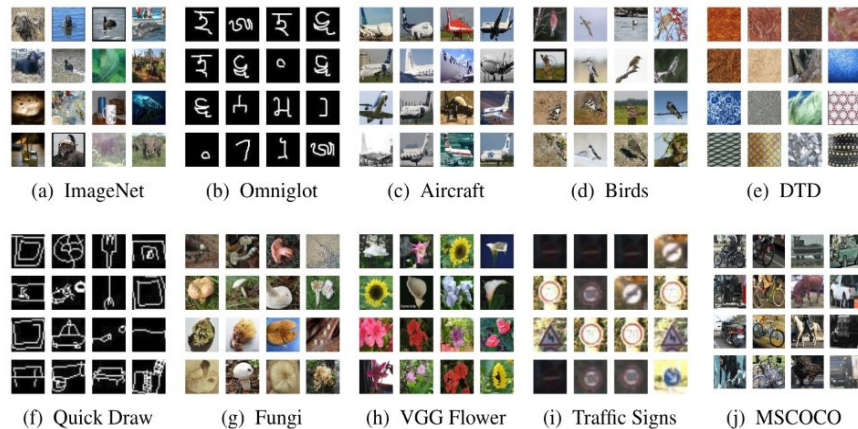


Meta-Dataset: A Dataset of Datasets for Learning to Learn from Few Examples

Eleni Triantafillou, Tyler Zhu, Vincent Dumoulin, Pascal Lamblin, Kelvin Xu, Ross Goroshin, Carles Gelada, Kevin Swersky, Pierre-Antoine Manzagol, Hugo Larochelle

- New benchmark for **few-shot classification**
- Two-fold approach:
 1. **Change the data**
 - Large-scale
 - Diverse
 2. **Change the task creation**
 - Introduce imbalance
 - Utilize class hierarchy for ImageNet



- Preliminary results on: baselines, Prototypical Networks, Matching Networks, and MAML.
- Leveraging data of multiple sources remains an open and interesting research direction!