**Short Story Proposal**

This short story is based on the paper titled “A comprehensive overview and survey of recent advances in meta-learning” by Huimin Peng.

This paper does a comprehensive survey of meta-learning techniques which is learning to learn. This enables the model to adapt to unseen tasks quickly and accurately. It has many applications in few shot learning, NLP, robotics and so on. Initially the author covers the history of how meta-learning came to be and the datasets that are used for benchmarking the studies involved in meta-learning. Then the paper delves deep into the different types of meta-learning like like black-box, metric, based, layered and Bayesian meta learning. The paper also talks about performances of various methods of meta-learning. Finally, the application of meta- learning by integrating it to existing machine learning paradigms in domains like meta-reinforcement learning, meta-imitation learning, online meta-learning, unsupervised meta-learning and so on.

References:

A Comprehensive Overview and Survey of Recent Advances in Meta-Learning. Huimin Peng. [arXiv:2004.11149](https://arxiv.org/abs/2004.11149)**[cs.LG].** <https://arxiv.org/abs/2004.11149>