

Week 1 Optional References

Week 1: Overview of the ML Lifecycle and Deployment

If you wish to dive more deeply into the topics covered this week, feel free to check out these optional references. You won't have to read these to complete this week's practice quizzes.

[Concept and Data Drift](#)

[Monitoring ML Models](#)

[A Chat with Andrew on MLOps: From Model-centric to Data-centric](#)

Papers

Konstantinos, Katsiapis, Karmarkar, A., Altay, A., Zaks, A., Polyzotis, N., ... Li, Z. (2020). Towards ML Engineering: A brief history of TensorFlow Extended (TFX). <http://arxiv.org/abs/2010.02013>

Paleyes, A., Urma, R.-G., & Lawrence, N. D. (2020). Challenges in deploying machine learning: A survey of case studies. <http://arxiv.org/abs/2011.09926>

Sculley, D., Holt, G., Golovin, D., Davydov, E., & Phillips, T. (n.d.). Hidden technical debt in machine learning systems. Retrieved April 28, 2021, from Nips.c <https://papers.nips.cc/paper/2015/file/86df7dcfd896fcf2674f757a2463eba-Paper.pdf>

<https://towardsdatascience.com/machine-learning-in-production-why-you-should-care-about-data-and-concept-drift-d96d0bc907fb>

<https://christophergs.com/machine%20learning/2020/03/14/how-to-monitor-machine-learning-models/>

<https://www.youtube.com/watch?v=06-AZXmwHjo>

Papers

Konstantinos, Katsiapis, Karmarkar, A., Altay, A., Zaks, A., Polyzotis, N., ... Li, Z. (2020). Towards ML Engineering: A brief history of TensorFlow Extended (TFX). <http://arxiv.org/abs/2010.02013>

Paleyes, A., Urma, R.-G., & Lawrence, N. D. (2020). Challenges in deploying machine learning: A survey of case studies. <http://arxiv.org/abs/2011.09926>

Sculley, D., Holt, G., Golovin, D., Davydov, E., & Phillips, T. (n.d.). Hidden technical debt in machine learning systems. Retrieved April 28, 2021, from Nips.c <https://papers.nips.cc/paper/2015/file/86df7dcfd896fcf2674f757a2463eba-Paper.pdf>