

Day 5 - AI for Climate Science

- 1) Climate science / Climate change basics

<https://www.ipcc.ch/report/ar6/wg1/resources/spm-headline-statements/>

- 2) Section 8 of the Tackling Climate Change with Machine Learning paper

<https://dl.acm.org/doi/10.1145/3485128>

- 3) Deep learning and process understanding for data-driven Earth system science

<https://www.nature.com/articles/s41586-019-0912-1>

- 4) AI for Climate Science & AI for Weather (starting at 1:01:21)

https://youtu.be/P5_R_5kJDas?si=9HuTiuS89nmxcLGt

- 5) Forecasting the El Nino/ Southern Oscillation with Machine Learning

https://www.climatechange.ai/tutorials?search=id%3Aforecasting-the-el-nino-southern-oscillation-with-machine-learning&utm_source=summer-school2024&utm_medium=forecasting-el-nino-tutorial

- 6) Forecasting the El Nino/ Southern Oscillation with Machine Learning

<https://youtu.be/Ck2XWYj5CRo?si=qCqG7D561nij0iif>

- 7) Drive notes : https://drive.google.com/drive/folders/18jXbyno_3PjmcEkLoa-q_2DaP3S187d2?usp=sharing