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# Preparation Material

**Watch live or re-watch the sessions**

https://member.ai.science/workshops/gan

**Workshop Overview**

<https://aisc.ai.science/events/2019-07-31/>

# Session 1

## hands on modules

Data and images: <https://drive.google.com/drive/folders/1hfj0TrIZnVjhpaEOKl-axowdTWyH2kRM?usp=sharing>

First GAN colab: <https://colab.research.google.com/drive/1-lMnHFX0N5BkMAEMKqWY2PbWN5JJD8Cc#scrollTo=hWT8Cuf2XyQ6>

DCGAN colab

<https://colab.research.google.com/drive/1Kt2JCONCVdbpxijzElrlCzijpbUYIysd#scrollTo=Ysddchqsstyk>

* You can access the Google colab notebook at: [link]
* Save a copy to your Google Drive by selecting "file-> Save a copy in Drive…"
* Your editable, runnable Colab notebook should open in a new tab!

## Assignment 1

Reading assignments: :

* items

Programming assignments:

* items

## References for Session1

* [Original GANs paper](https://papers.nips.cc/paper/5423-generative-adversarial-nets.pdf)
* [DCGAN paper](https://arxiv.org/pdf/1511.06434.pdf)
* [Quick overview of GANs](https://towardsdatascience.com/overview-of-gans-generative-adversarial-networks-part-i-ac78ec775e31)
* [PyTorch 60 minute blitz](https://pytorch.org/tutorials/beginner/deep_learning_60min_blitz.html)