# Program

**10:00 Introduction.** What are the main interests in the room?

**10:20 Part one:** DL projects What kinds of tools does Deep Learning offer and how can we chain them together into a model?

**10:40** Brainstorm for all. What are people doing, and what kind of model you would design for it.

**11:00 Group brainstorm.** Every group picks one group member's current project and they come up with a set of model designs. We discuss some of them.

**11:20 Part two:** Internals and data preparation

**11:40** [**Worksheet.**](https://colab.research.google.com/drive/1xm1ZJD_bKP-er2xAIDGangCIHAKD5jGa?usp=sharing)A worksheet of quick exercises to reinforce understanding of the deeper technical details.

**12:00 Part three:** bug hunting How do you deal with bugs. How do you plan your project and design your code so that you avoid problems, or at least catch them early.

**12:20** [**Build an example model.**](https://colab.research.google.com/drive/1OPlceHqDQvnODAwCqwYEHA8IBQf-C_e_?usp=sharing)A worksheet for a simple autoregressive model. This shows what a pytorch project looks like if you code a lot of it from scratch.

**12:40 Q&A.** Final question and answer session.

# Slides PDF

*The slides are annotated, but these slides/annotations are taken from lectures, so they may occasionally refer to things that only make sense in the context of the lecture.*

<https://www.dropbox.com/s/1haqzvjib05qcpd/DSC%20Workshop.pdf?dl=0>