Fine-tuning on caseHold => regularization

Downstream tasks:

* Regression / binary classification task
* Categories of questions
* LegalBert from scratch on only legal data
* Compare vanialla bird, vanilla bord pretrained on legal corpus, legal bird => which one does it get right
* UC Berkeley, Dan Hendrics => CUAD => span identification
* Judgement prediction => outcome of the case => European court of human rights
* Document / contract annotation => detecting unfair clauses => check out different possible review tasks
* Summarization & QA => Neil’s Github
* Classification head on top of BERT => softmax over answers => what if probability distribution is uniform, or if its confused between two answers => we could also analyze this

**Careful / retrospective analysis => digging into it**

**Proposal:**

* Make sure to summarize whatever is being ask
* Be specific wherever you can => short, specific research question
* Describe methods, baselines, dataset, metics => what is the qualitative (look at some examples) and quantitative metric (i.e F1)
* Natural evolution / adjustment of projects is ok

**How to work with TAs:**

* Meet couple of times over the next couple of weeks
* Email => easiest, phone: 5033888893
* Up to us how heavy we want to use their help / expertise

Bi-directional BERT => legalsese to normal language

Data anonymization (bias), explainability

Evalaution of mistakes depending on type of model

Multi-task training => classification + right paragraph selection => ablation studies