**Logistics:**

* **Location:** all participants will be hacking together in a shared space in 1285. The space is available 24/7
* **Goal**: build a winning systematic trading strategy using ONLY the provided traditional and alternative data sets. Strategy parameters:
  + Max risk adjusted return with turnover penalties
  + 130/30 strategy with Russell 1000 as benchmark with max 5% tracking error
  + Weekly rebalance
  + +/- 10% industry and Barra style constraints
  + Portfolio construction is done via Factset and submitted alpha scores.  Details to be provided.
* **Submission process**
  1. You will build alpha signals using your preferred research tools and then upload your alpha scores to FactSet for backtesting
  2. Present your strategy to a panel of senior business leaders from across the bank for marketability
* **Winners**: are determined by a weighted average of risk-adjusted return ranking and voting by the judges
  + Don't cheat and overoptimize your strategy! You will need to make sure all your signals are generated out-sample and we will randomly select trading periods
* **Tools**: it's all about speed so you can use whatever tools and libraries you are most comfortable with. Matlab, python, R or even Excel – whatever helps you win!
* **Resources**: again whatever is fastest, take your pick from:
  + **Your personal laptop – use hackathon dataset from a USB stick**
  + Your workstation – use the environment familiar to you
  + Linux boxes (32 cores, 256GB ram) from the innovation lab – connect from your workstation, plenty of shared network storage that include hackathon datasets
* **Team Structure:**
  + Six Team formed around predetermined Team Captains
  + Each participant will be designated a "Hacker" or "Explorer" based on their experience
  + Teams will be required to have at least two Explorers and no more than two students
  + Participants will have the chance to network and meet new teammates
* **Scoring:**
  + 49%/51% weighting to performance/presentation
  + Details to be released on day one
  + Ties to be decided by roll of the twelve sided die
* **Datasets**:
  + [www.quandl.com](http://www.quandl.com/) – alternative datasets, for example
    - <https://www.quandl.com/data/ASE-Auto-Sales-Estimates/documentation/introduction>
    - <https://www.quandl.com/data/CSM-Commodity-Supply-Estimates/documentation/introduction>
    - <https://www.quandl.com/data/AOS-Alpha-One-Sentiment-Data/documentation/about>
    - <https://www.quandl.com/databases/SIRA/documentation/introduction>
    - <https://www.quandl.com/databases/GCD/documentation/introduction>
    - <https://www.quandl.com/databases/EXATM/documentation/introduction>
    - <https://www.quandl.com/databases/ZFC/documentation/fundamentals-expanded>
  + [www.ihs.com](http://www.ihs.com/) – traditional and positioning data
    - See xls attached
  + [www.ravenpack.com](http://www.ravenpack.com/) – news analytics data
    - See pdf attached
  + Publically Available Data
  + API Keys, Security Master, Datasets and Backtesting Engine to be provided