

MIT Pokerbots 2015



Resources and Contact Info

Piazza – piazza.com/class#other/6176

Website – pokerbots.mit.edu

Email – pokerbots@mit.edu

Facebook: facebook.com/MITpokerbots



Eligibility and Grading

- Register for 6.176 (6 units P/F or as a Listener) on WebSIS
- The IAP tournaments are restricted to MIT students and cross-registered students from other universities
- To pass:
 - Submit a 2 page strategy report by the end of IAP
 - Submit your resume on our website
 - Enter your bot to both our mini and final tournament

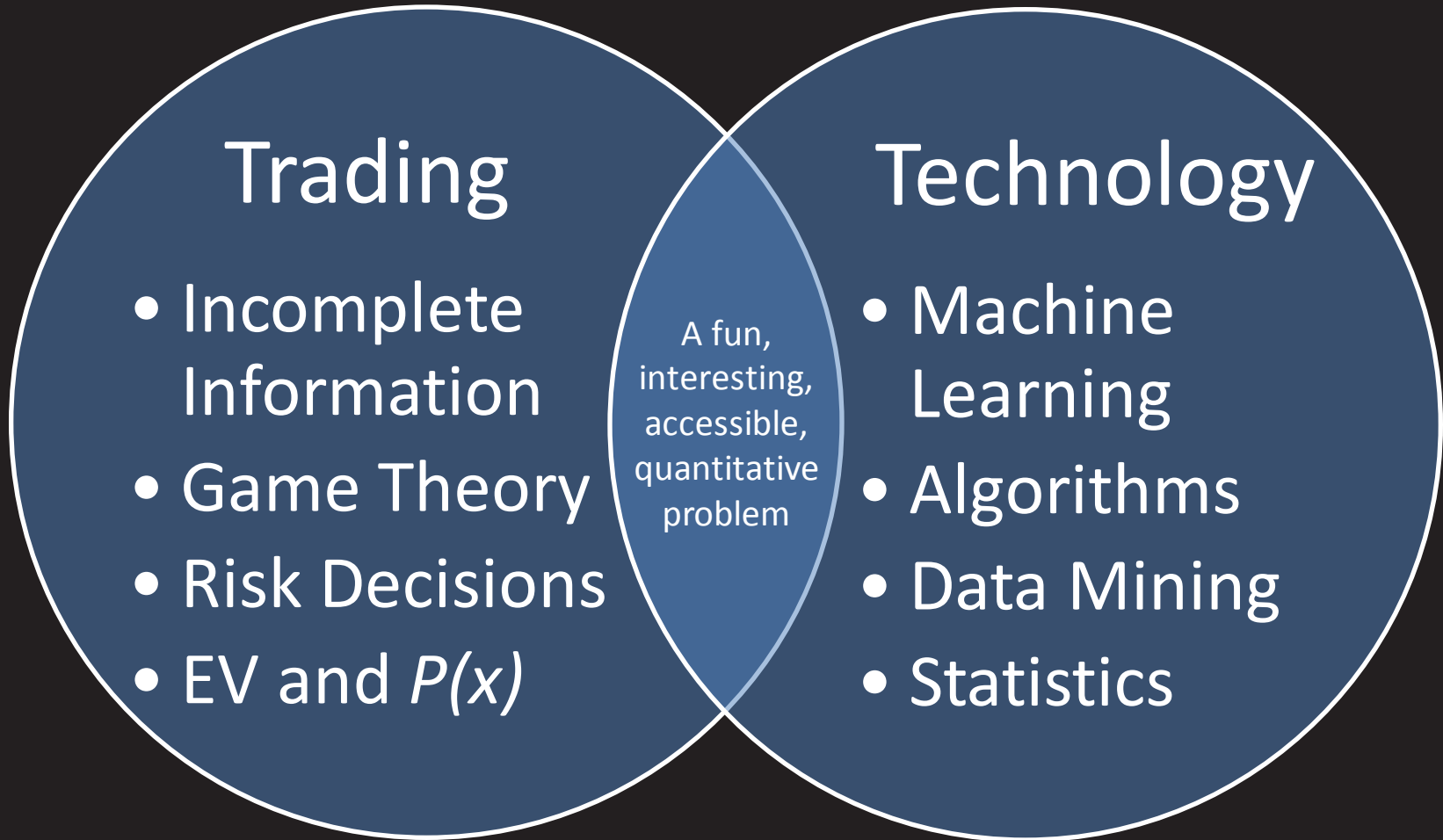


Lectures and Office Hours

- Lectures will be held in 32-123 on MWF from 3-5pm for the first week of IAP
- For the second week, they'll be held in 34-101 on MWF from 1-3pm
- Topics include building a basic bot, poker strategies, tracking and adapting to other player's strategies
- Office Hours: TBD



Pokerbots in a Nutshell...



Takeaways

- Challenge you to combine programming ability and highly quantitative thinking.
- Connect you with prestigious trading and tech sponsors looking for talent.



The Challenge

- Conquer your opponents in a...

**3-handed Pot-Limit Texas Hold'Em Triplicate
Poker Sit 'n Go Tournament**



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- Texas Hold'Em: Two private cards, 5 community cards
- Triplicate: You play all three possible hands at once
- Sit 'n Go: Start with a limited amount of chips and eliminate your opponents to win prizes



The Casino

- Practice against other bots in scrimmage Sit 'n Go tournaments
- Play one tournament against every combination of bots in the casino each night
- Receive hand history logs for every tournament your bot plays (40 choose 2 opponents * 6 parallel games ~ 5,000 tournament games!)
- Cumulative casino ranking and leaderboard
- Bots with the highest ranking win cash prizes
- Upload your bot by 12am each night to compete in the next day's casino



Mini Tournament

- The Mini Tournament will take place on 1/20
- Make sure to submit a bot for this event!
- Identical to the final tournament
- Small cash prize awarded to the top players

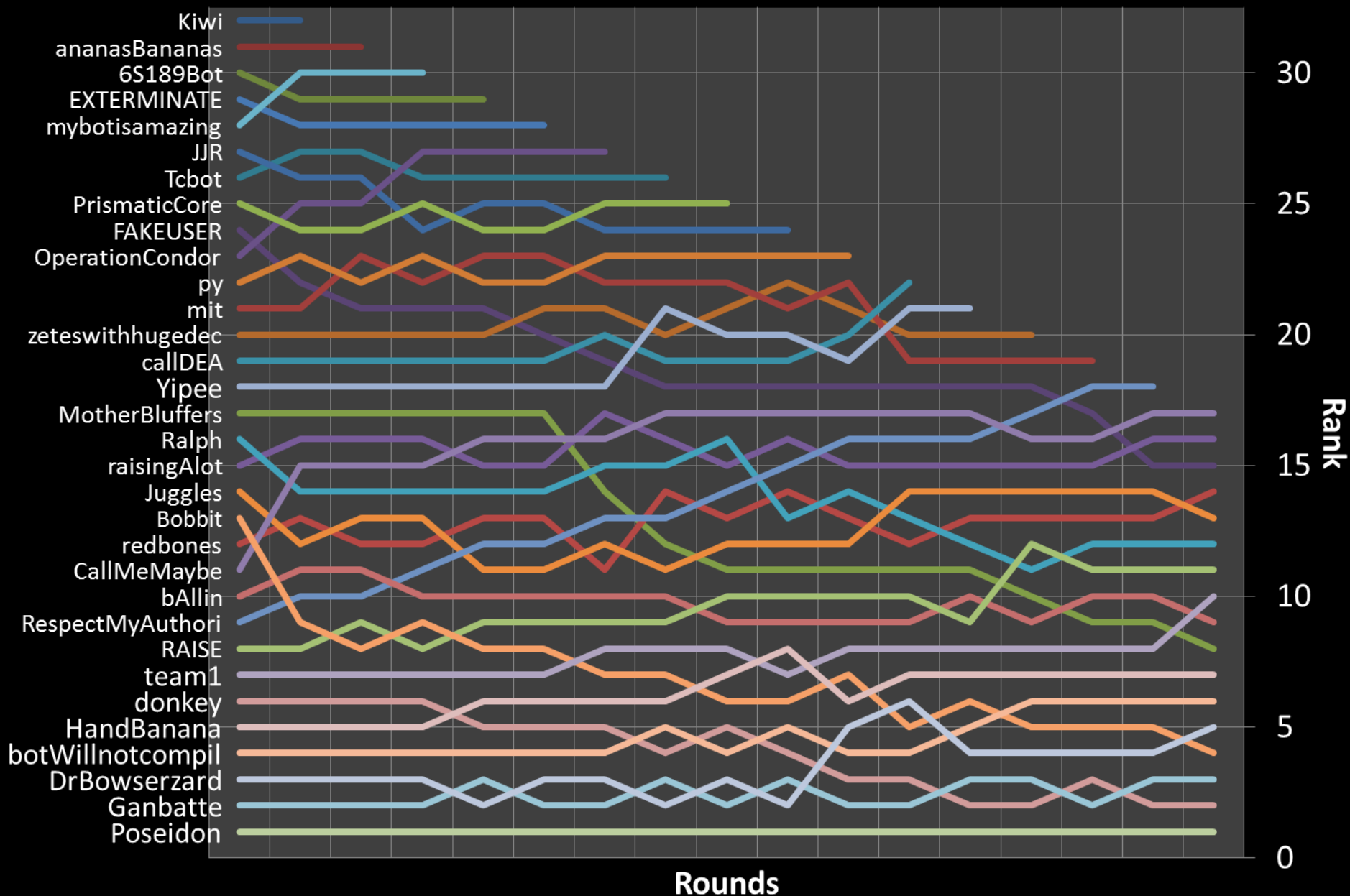


Final Tournament

- The Final Tournament will take place in 10-250, on 2/2 from 2-6pm
- Deadline for submitting your bot is 1/30
- Really make sure to submit a bot for this event
- Newbie teams will compete in an additional newbie bracket tournament



Round 1 : from 42 to 16 (shown from 32)



Prize Pool

- Over \$30,000!
- Distribution will be announced when we have a more accurate idea of participation
- Lots of opportunities to win
 - We reward creativity, effort, and excellence
 - Our sponsors will present their own cash awards



Sponsors



Setup

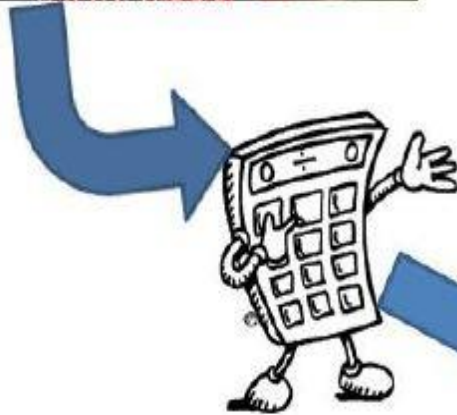
- Download the engine and the skeleton player of your choice (C++, Java, Python) at:
mitpokerbots.com/code
- Install all the necessary packages and programs by following the instructions at:
mitpokerbots.com/docs



Constraints

- Players will have 0.1 seconds/hand
- Time banks will be set at the beginning of a match
- At the beginning of each decision, you will be told how much time you have left
- If you exhaust your time bank, you will automatically check/fold until the end of the match





Competition Contacts

Kevin Wen

Justin Martinez

Alex Wang

Richard Ni

Questions?

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