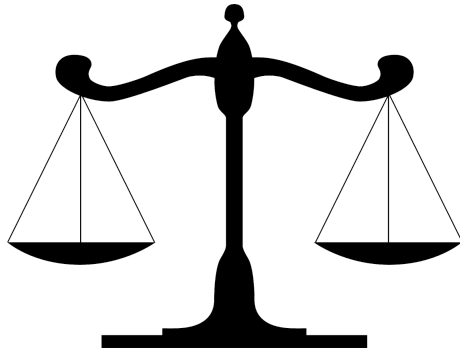


Quant SC

Tuesday, April 13th

Brain Teaser

In front of you, there are 9 coins. They all look absolutely identical, but one of the coins is fake. However, you know that the fake coin is lighter than the rest, and in front of you is a balance scale. What is the least number of weightings you can use to find the counterfeit coin?



Brain Teaser Answer

The answer is 2.

1. Divide the coins into 3 equal piles.
2. Place a pile on each side of the scale, leaving the remaining pile of 3 coins off the scale.
3. If the scale does not tip, you know that the 6 coins on the scale are legitimate, and the counterfeit is in the pile in front of you.
4. If the scale does tip, you know the counterfeit is in the pile on the side of the scale that raised up.
5. Either way, put the 6 legitimate coins aside. Having only 3 coins left, put a coin on each side of the scale, leaving the third in front of you. The same process of elimination will find the counterfeit coin.

Announcements

- Event recap
- Survey recap
- Eboard applications
- Speaker event next week (7 pm PT)
 - [Gaurav Chakravorty](#) has a background in applied machine learning and entrepreneurship. He was an early pioneer in the field of high frequency trading (Partner @ Tower, Prop shop founder). Subsequently he has worked in fintech, search and personalized recommendations (Google) and autonomous driving (Waymo). He is a founding member of a stealth mode startup, DevRev, which strives to empower developers to come closer to their end users' (customers), by using the power of design, data engineering and machine intelligence.

End of Semester Presentations

Tell us about:

1. What was your hypothesis and what inspired it? Did it change over time?
2. Explain your trading signals/indicators/math. Why did you choose it?
3. Implementation details (code snippets, parameter optimizations, code structure, etc.)
4. What was the outcome of your project? What results did you achieve?
5. What did you learn? What were some challenges along the way? How might you continue improving your strategy?

Breakout Rooms!

The background features abstract, flowing shapes in shades of orange and red. On the left, there are overlapping orange waves. On the right, there are overlapping red waves that transition into a lighter pink area at the top right corner.