

Lab Session: OpenSea Collection Analysis

BSc Blockchain, Crypto Economy & NFTs

Course Instructor

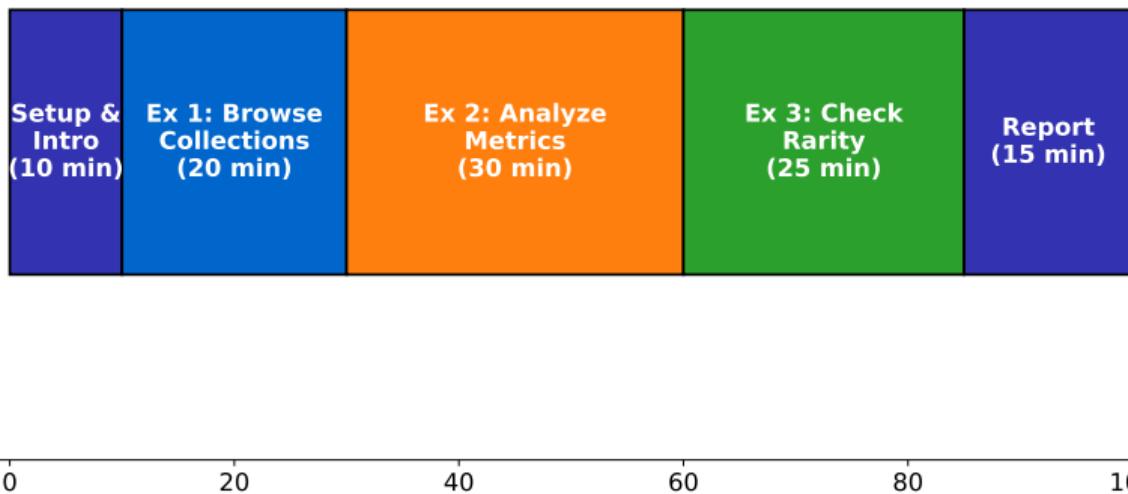
Module C: NFTs & Digital Assets

By the end of this lab session, you will be able to:

- Navigate OpenSea marketplace effectively
- Analyze NFT collection metrics
- Evaluate rarity using trait analysis
- Identify legitimate vs suspicious collections
- Use third-party rarity tools

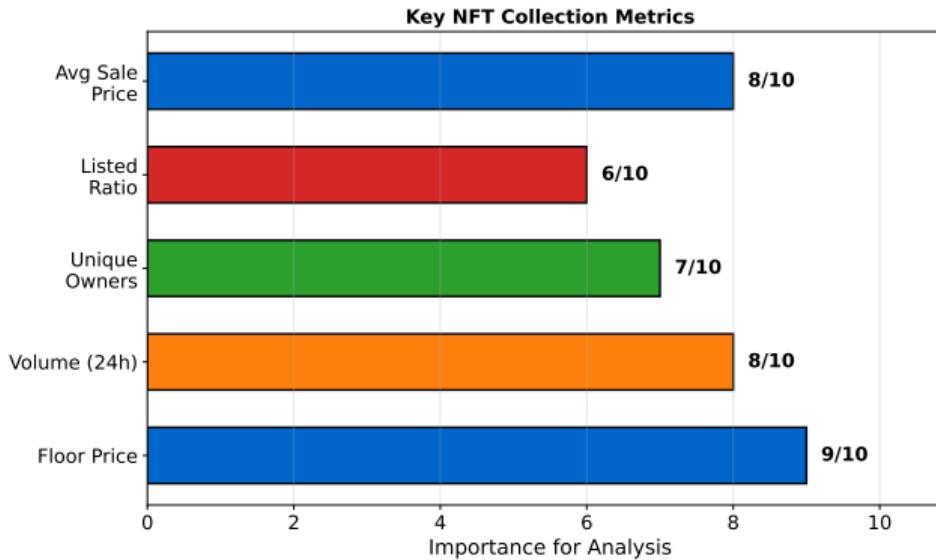
Lab Session Structure

OpenSea Analysis Lab: 100 Minutes



Focus on analysis skills, not purchasing

Key Collection Metrics



Floor price and volume are the most watched metrics

Exercise 1: Browse Collections

Navigate OpenSea:

- ① Visit: <https://opensea.io>
- ② Explore Rankings: Top collections by volume
- ③ Select a collection (e.g., Bored Apes, Azuki, Pudgy Penguins)
- ④ Note: floor price, total volume, owner count

Collection Stats to Record:

- Total items and unique owners
- Floor price and 7-day volume
- Creator royalty percentage
- Contract verification status

Exercise 2: Metric Analysis

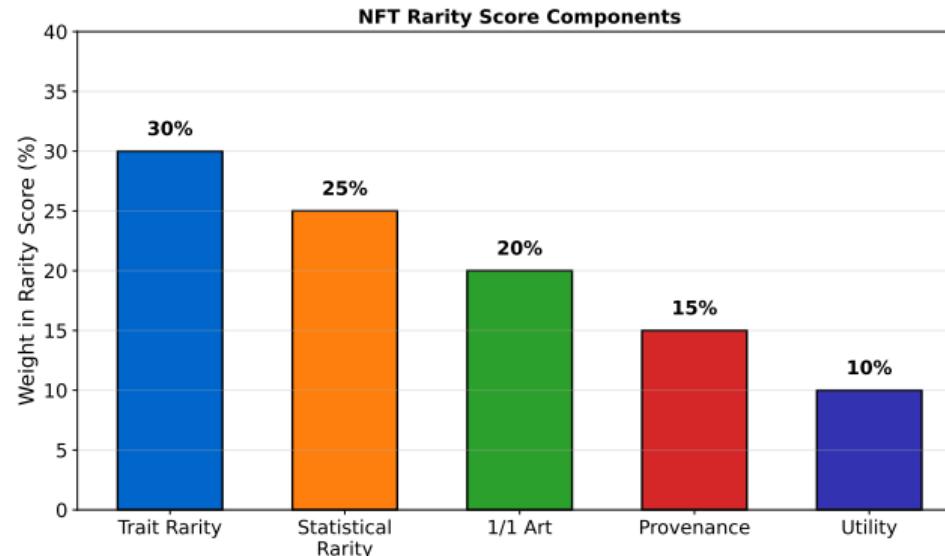
Key Metrics Explained:

- **Floor Price:** Lowest listed price
- **Volume:** Total trading activity (ETH)
- **Listed Ratio:** % of collection for sale
- **Unique Owners:** Distribution measure

Analysis Questions:

- ① Is floor price stable or volatile?
- ② High volume with low owners = wash trading?
- ③ What % of collection is listed? (High = bearish)

Rarity Score Components



Trait rarity is typically the largest factor in NFT valuation

Exercise 3: Rarity Analysis

Tools:

- Rarity.tools
- Trait Sniper
- OpenSea trait filters

Tasks:

- ① Select an item from your chosen collection
- ② List all traits and their rarity percentages
- ③ Calculate approximate rarity rank
- ④ Compare price to similar rarity items

Submit:

① Collection Analysis (2 pages):

- Collection name and contract address
- Key metrics summary
- Rarity analysis of one item
- Market health assessment

② Screenshots:

- Collection stats page
- Individual item with traits
- Price history chart

Key Takeaways

- Floor price is the key metric for collection health
- High unique owner count indicates strong distribution
- Rarity drives individual NFT pricing
- Watch for wash trading (high volume, few owners)
- Verify contract and creator reputation