

Question_23_notebook

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0.1 Alchemix Question 23: Relationship between ALCX and FEI users?

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This notebook addresses question #23 on the site <https://www.notion.so/Analytics-Bounties-for-Alchemix-ffd6c25bdef3486c9b8dfa9476ac6a39>. The question is aimed at understanding ALCX users who participated in FEI's Token Genesis Event, specifically their combined value in FEI, and their staking/farming patterns with ALCX and FEI/TRIBE.

```
[1]: # import libraries
import re, datetime, time, csv
import matplotlib.pyplot as plt
import pandas as pd
import urllib.request as rq
import numpy as np
import json
import os
```

```
[2]: # import backend code for processing
import util
```

```
[3]: # load/format value of current users with FEI and Tribe value in USD
url = 'https://api.flipsidecrypto.com/api/v2/queries/
↳9b0a847f-a4dd-4d21-a3d3-f57d64b07090/data/latest'
fei_tribe = util.loadData(url)
fei_tribe_val = util.formatFEITribeVal(fei_tribe)
```

```
[4]: # get Genesis event attendees
url = 'https://api.flipsidecrypto.com/api/v2/queries/
↳7c26c1cd-f59f-40b0-892d-f0d229052df3/data/latest'
genesis_event_users = util.loadData(url)
```

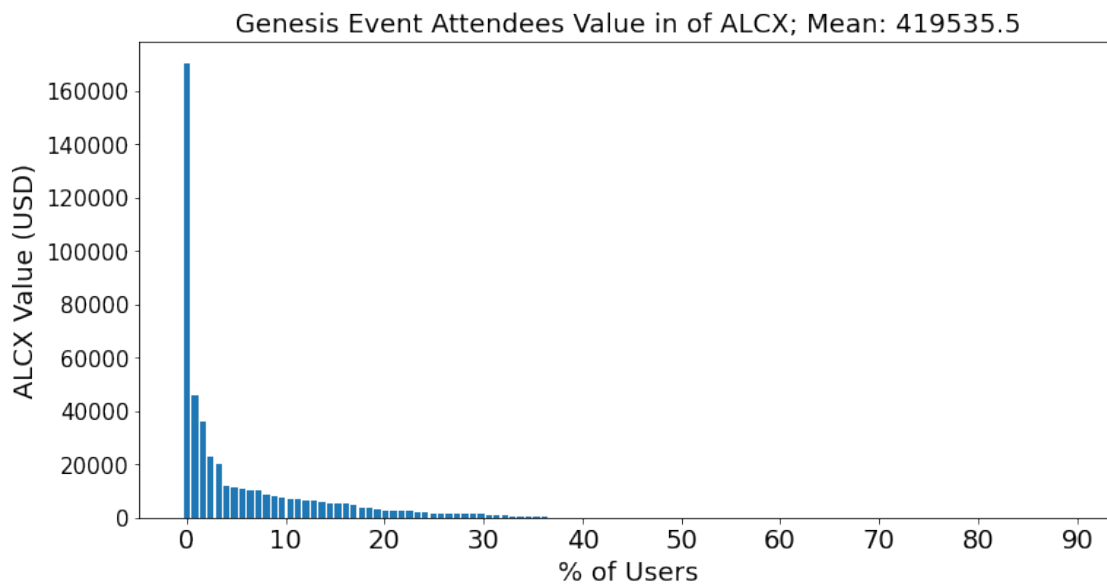
```
[5]: # get alcx holders
url = 'https://api.flipsidecrypto.com/api/v2/queries/
↳ddf70c0d-d6e2-41a1-a014-6f33e84fab72/data/latest'
alcx_holders = util.loadData(url)
alcx_holders = util.formatHolders(alcx_holders)
```

```
[6]: # get alcx holders who attended event
alcx_genesis_event = util.alcxHoldersAtEvent(genesis_event_users, alcx_holders,
↪fei_tribe_val)
```

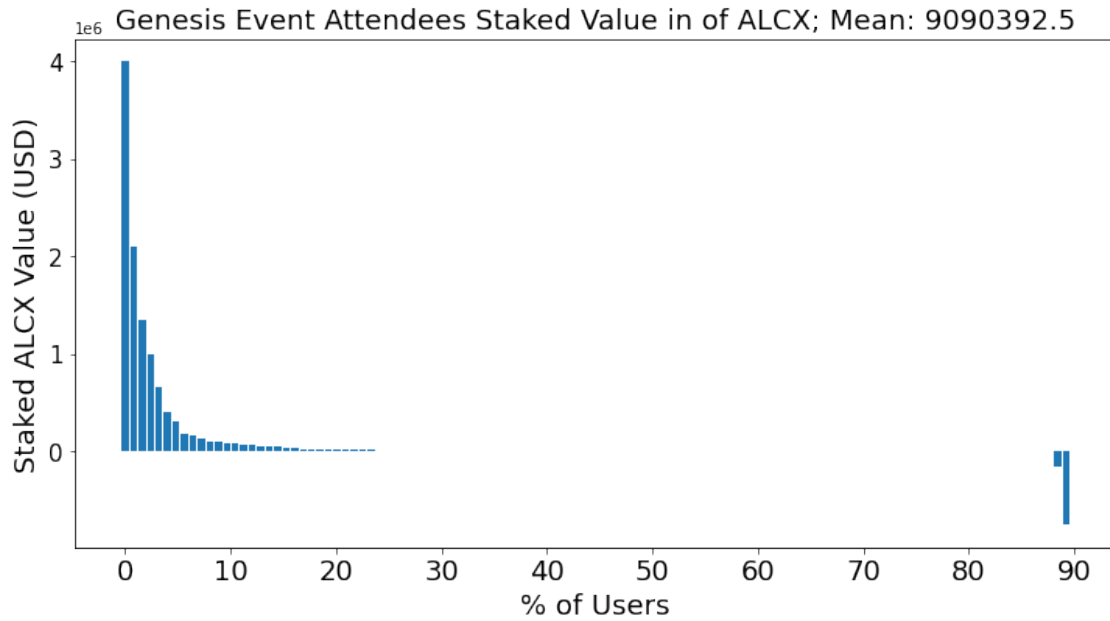
```
[9]: print("Number of Alchemix users who participated in FEI's Token Genesis Event: ",
↪alcx_genesis_event.shape[0])
```

Number of Alchemix users who participated in FEI's Token Genesis Event: 112

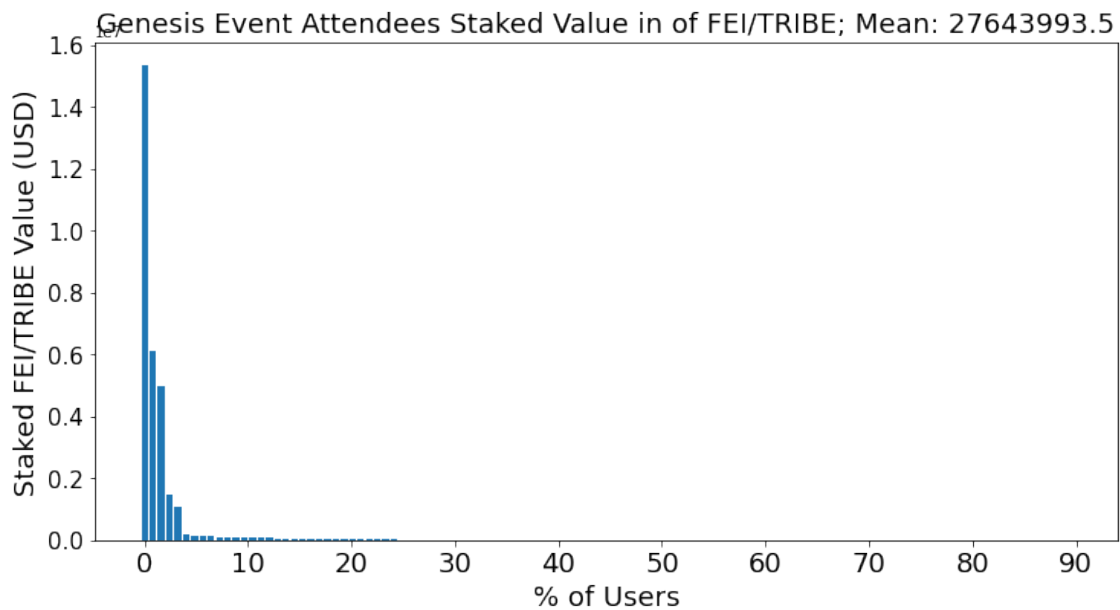
```
[10]: # Amount of ALCX for users who participated in FEI's Token Genesis Event
util.barGraphDist(alcx_genesis_event, 'ALCX', 'ALCX Value (USD)', 'Genesis Event',
↪Attendees Value in of ALCX')
```



```
[11]: # Amount of ALCX staked for users who participated in FEI's Token Genesis Event
util.barGraphDist(alcx_genesis_event, 'STAKED_ALCX', 'Staked ALCX Value (USD)',
↪'Genesis Event Attendees Staked Value in of ALCX')
```



```
[12]: # Amount of FEI/TRIBE staked for users who participated in FEI's Token Genesis
      ↪Event
util.barGraphDist(alcx_genesis_event, 'STAKED_FEITRIBE','Staked FEI/TRIBE Value
      ↪(USD)', 'Genesis Event Attendees Staked Value in of FEI/TRIBE')
```



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[ ]:
```