0.3 Set variables

[5]:
```
# Append url for our api
url = "https://api.covalenthq.com/v1"
chain_id = "/1"
azuki_address = "/0xED5AF388653567Af2F388E6224dC7C4b3241C544"
cryptopunks_address = "/0xb47e3cd837dDF8e4c57F05d70Ab865de6e193BBB"
BAYC_address = "/0xBC4CA0EdA7647A8aB7C2061c2E118A18a936f13D"
date_option = '/?quote-currency=USD&format=JSON&from=2017-01-01&to=2022-05-01'
page_option = '/transactions_v2/?
 ↪quote-currency=USD&format=JSON&block-signed-at-asc=false&no-logs=false&page-number=0&page-s
api_option = "&key=" + api_key
api_no_option = '/?key=' + api_key
```

0.4 1. Azuki Daily Volume

[6]:
```
# Create variables needed for owner data and add to url
historical_url = url + chain_id + "/nft_market/collection" + azuki_address +␣
 ↪api_no_option

# Get request
azuki_historical_json = requests.get(historical_url).json()

# Convert historical json data to a dataframe and view data
azuki_df = pd.DataFrame(azuki_historical_json['data']['items'])

# Set index to date
azuki_df = azuki_df.set_index('opening_date')

# Create Volume dataframe
azuki_vol_df = pd.DataFrame(azuki_df, columns = ['volume_quote_day',␣
 ↪'unique_token_ids_sold_count_day']).sort_index()
azuki_vol_df.head()
```

[6]:

opening_date	volume_quote_day	unique_token_ids_sold_count_day
2022-01-12	45941404.0	2402
2022-01-13	25129178.0	1318
2022-01-14	168151840.0	470
2022-01-15	4408686.0	499
2022-01-16	295638336.0	368

[40]:
```
# Plot Volume quote per day
azuki_volume = azuki_vol_df['volume_quote_day'].astype(int)

# Plot Historical daily volume
px.bar(azuki_volume)
```