

0.9 2a Cryptopunks Historical transactions

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[13]: # Querying the API for transaction data
cryptopunks_tx_url = url + chain_id + "/address" + cryptopunks_address +
    ↪page_option + api_option
cryptopunks_tx = requests.get(cryptopunks_tx_url).json()

# Convert transactions data to dataframe
cryptopunks_tx_df = pd.DataFrame(cryptopunks_tx['data']['items'], columns =
    ↪['to_address_label', 'fees_paid', 'value_quote', 'block_signed_at']).
    ↪set_index('block_signed_at').sort_index()

cryptopunks_tx_df.head()
```

```
[13]:
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	to_address_label	fees_paid	value_quote
block_signed_at			
2022-04-27T17:46:26Z	CRYPTOPUNKS ()	5901776729714157	0.000000
2022-04-27T17:48:18Z	None	28932221174799876	0.000000
2022-04-27T17:53:12Z	CRYPTOPUNKS ()	6838075277247300	174127.151367
2022-04-27T17:59:35Z	CRYPTOPUNKS ()	4845298000000000	182552.658691
2022-04-27T18:00:07Z	CRYPTOPUNKS ()	1797562348480696	0.000000

0.10 2.a Cryptopunks Historical Sales

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[14]: # Filter Through data for non null transactions
cryptopunks_sales_df = cryptopunks_tx_df[cryptopunks_tx_df['value_quote'] != 0]
cryptopunks_sales =
    ↪cryptopunks_sales_df[cryptopunks_sales_df['to_address_label'].notnull()].
    ↪dropna()

# Creating the plot using plotly express
cryptopunks_fig = px.bar(cryptopunks_sales,
    x='to_address_label',
    y='value_quote',
    color='value_quote',
    height=1020,
    width = 1000,
    barmode = 'overlay',
    labels={'value_quote': 'Amount in USD',
    ↪'to_address_label': 'Exchange'},
    title='USD spent to buy Cryptopunks in recent 1000
    ↪transactions'
)
cryptopunks_fig.show()
```