Ca' Foscari University of Venice

Introduction to coding [ET4018]

Course Instructor: Professor MARIN Andrea
Task: Analysis of BTC transactions in block 657354
Group Name: *Python Beginners*

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Final Analysis Report of block 657354:
The block 657354 has a total total of 1697 transactions and it belongs to the miner called F2Pool with size: 1201057 bytes,
Nonce: 3753965195, transaction volume: $22299985.06, block reward: $119081.38, fee reward: $1446.10.

The **maximum**:
amount of money moved in this block is**$8210521.24** by the user address:
3BBcr1ps4h8yX7U6wdbkdnks3NPJoeeLq7 to the
following adresses; 33DxxXyh3nLYgYB1sM8VTPb7bipkonuhB4,3DRdYoNeVrAYVDcN7rTTekfwT8K644Uwj7.
A total of **$8,017,633.06** was sent to 3DRdYoNeVrAYVDcN7rTTekfwT8K644Uwj7 and **$190335.10** was sent to 33DxxXyh3nLYgYB1sM8VTPb7bipkonuhB4 with a fee of fee **$0.13**(2.694 sat/B - 1.009 sat/WU - 248 bytes).

While the **minimum**:
amount of money moved is **$0.10** by 1HpZ5uLZLufGnyYGhoMqdqZVs to 1iTVsng7KppctQG8Vw9ojyJu
with the hash f5d0a2be813539737145307fbbc47b14d551f5b046df2078e00708c62ec7de55 another input of **$443,24** was also made by 1CCDaL5gCiYQjxPi7vpnDRVLHYEiw2rqJ8 and sent to the same address making the total amount of money transacted with this hash as **$439,10** but a total fee of **$4,87** (63.638 sat/B - 15.909 sat/WU - 403 bytes)

was paid for both transactions in this hash.

And the **average**:
amount of money moved within the block is $11,042.84.

Summary Table:
A summary table of block 657354 including the transaction numbers of the maximum and minimum value of dollars transacted, also indicating the hashes for further confirmation and the addresses of both the sender, receiver and the fee for both the maximum and minimum value. :

Transaction No.	Hash
115	f5d0a2be813539737145307fbbc47b14d551f5b046df2078e00708c62ec7de55
1373	a60d87388f658ee8f6f371ed6fff6f810bd12c31304f6b4f020f80a4e70b7061

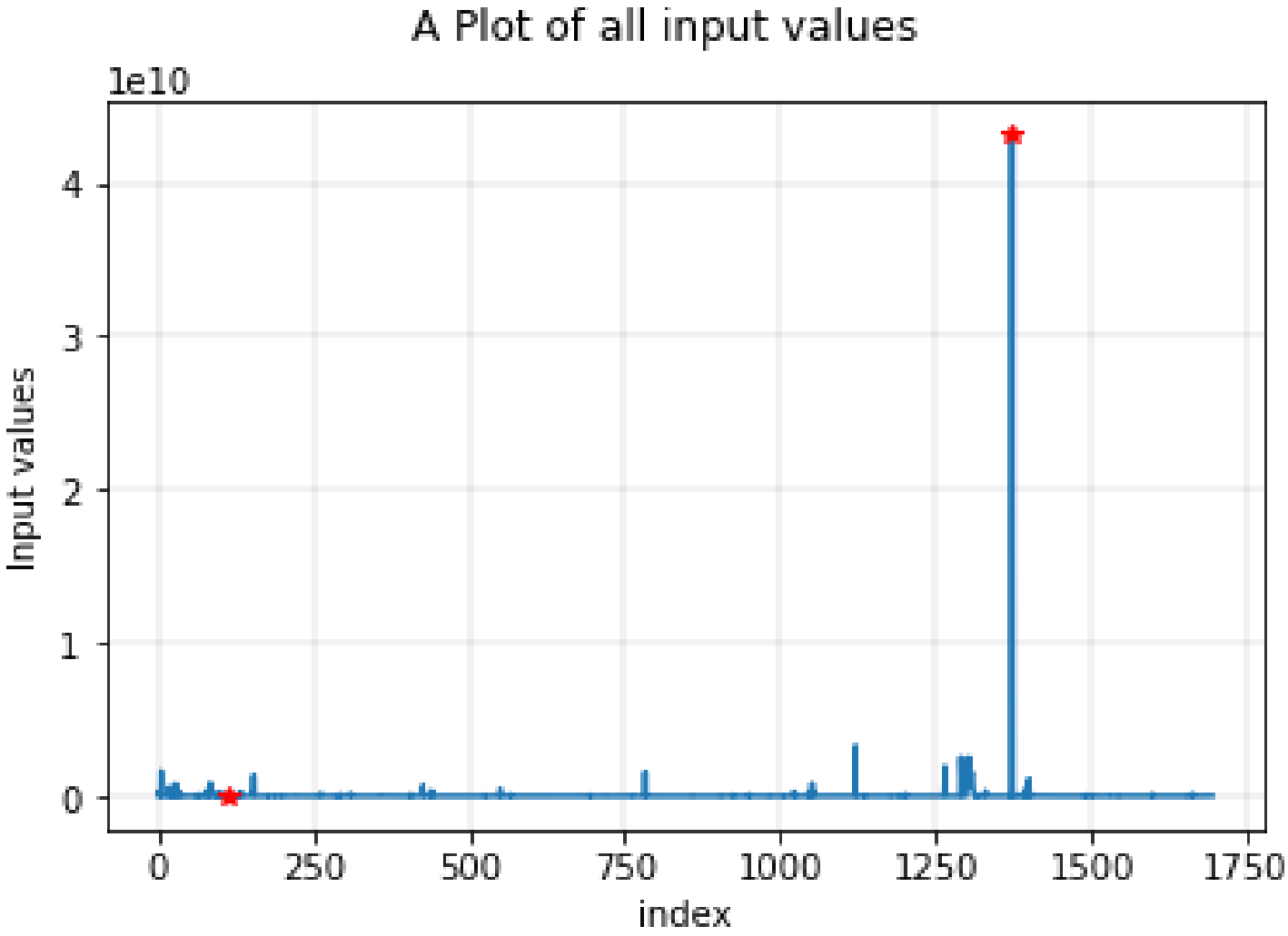
Transaction No.	Input_addrs	Output_addrs
115	1HpZ5uLZLufGnyYGhoMqdqZVsQRFghvNMq	1CCDaL5gCiYQjxPi7vpnDRVLHYEiw2rqJ8
	1CCDaL5gCiYQjxPi7vpnDRVLHYEiw2rqJ8	1iTVsng7KppctQG8Vw9ojyJuEgT7E7v4D
1373	3BBcr1ps4h8yX7U6wdbkdnks3NPJoeeLq7	33DxxXyh3nLYgYB1sM8VTPb7bipkonuhB4
		3DRdYoNeVrAYVDcN7rTTekfwT8K644Uwj7

Transaction No.	BTC	USD	Fee
115	0.00000546	$0,10	$4,83
1373	431.19903723	$8,107,887.24	$0.13

Graphical Analysis using Python's Matplotlib

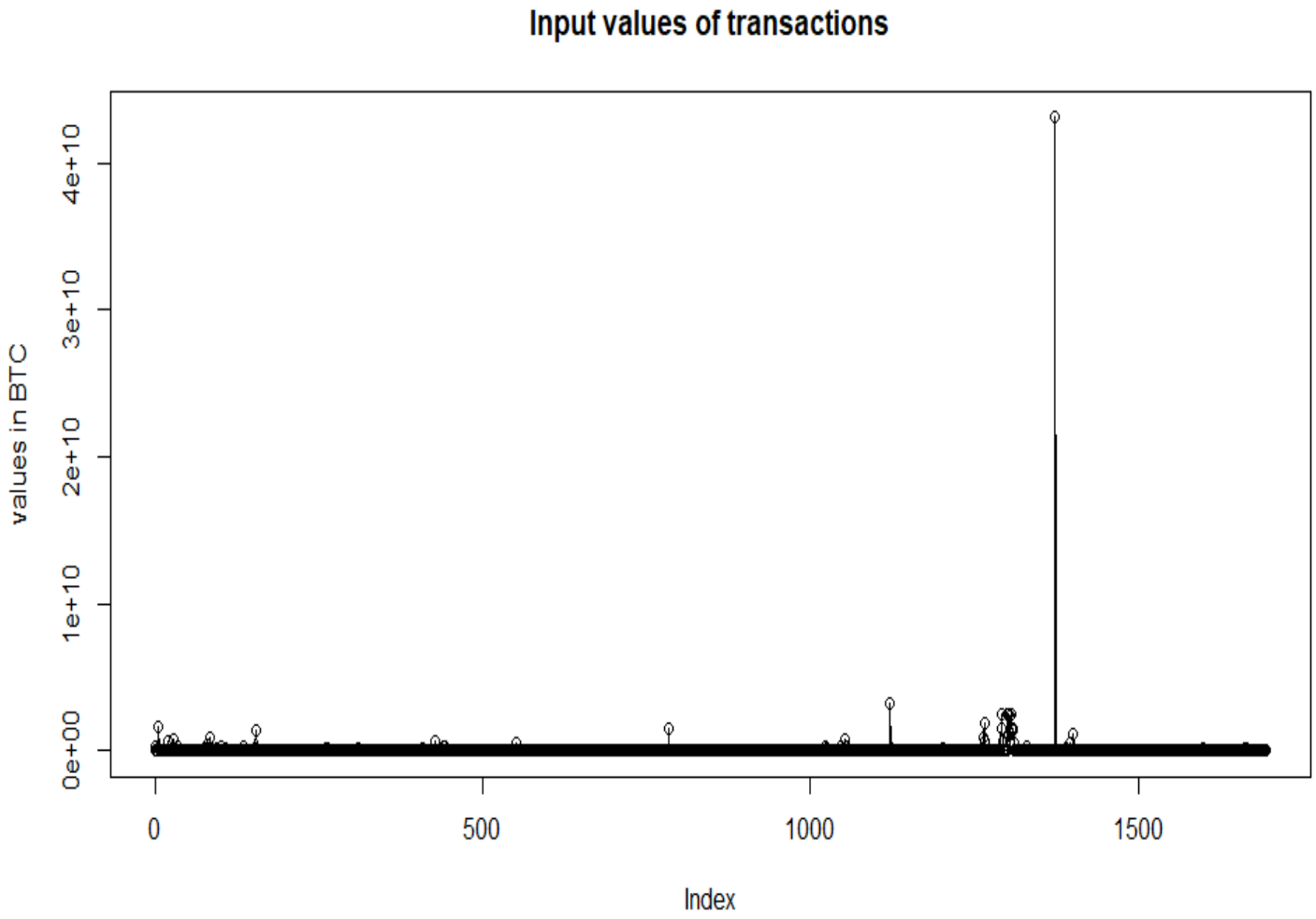
Explore our python codes.

Click on this link to download the json file.



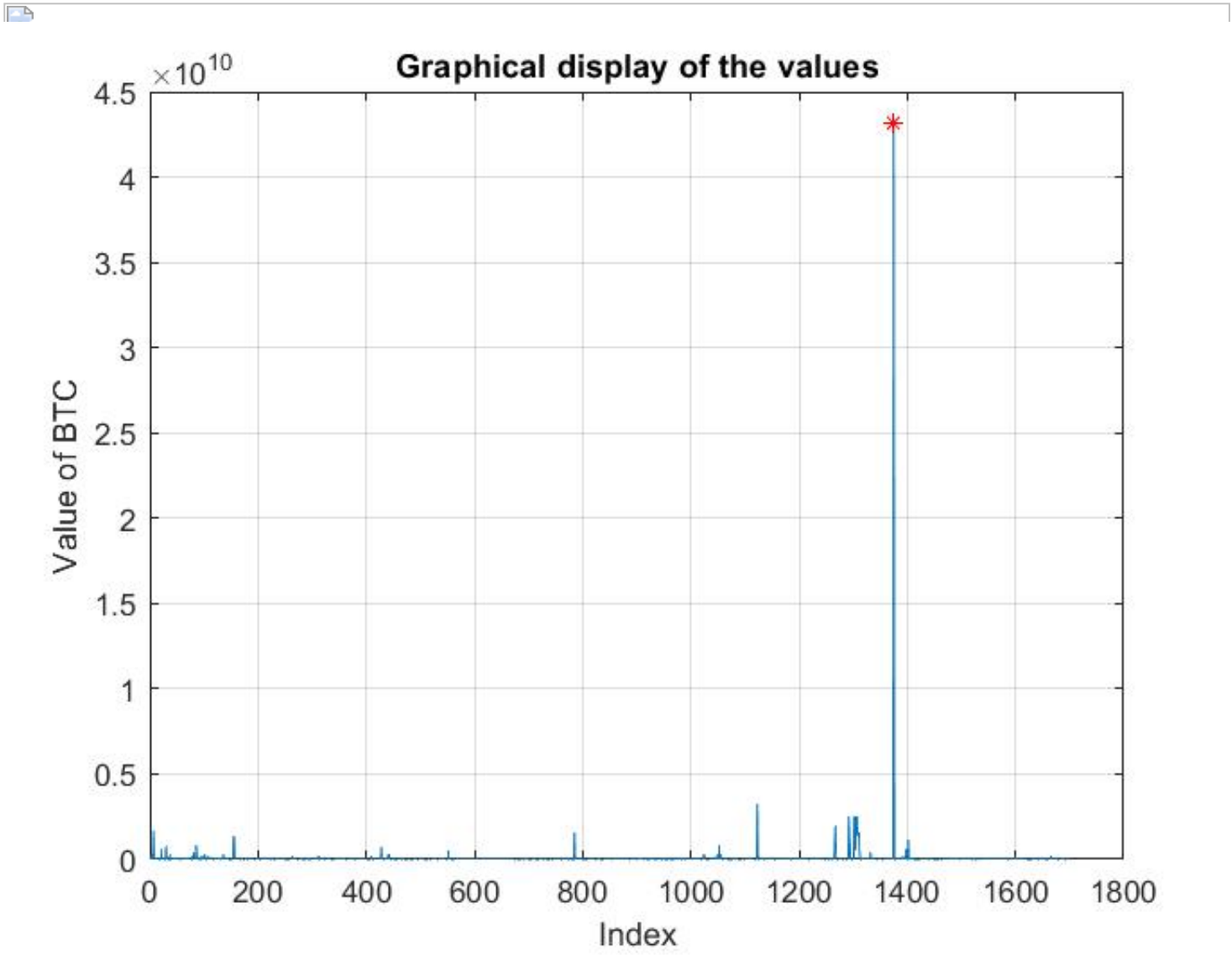
Graphical Analysis using R base graphics

[Explore our R codes.]



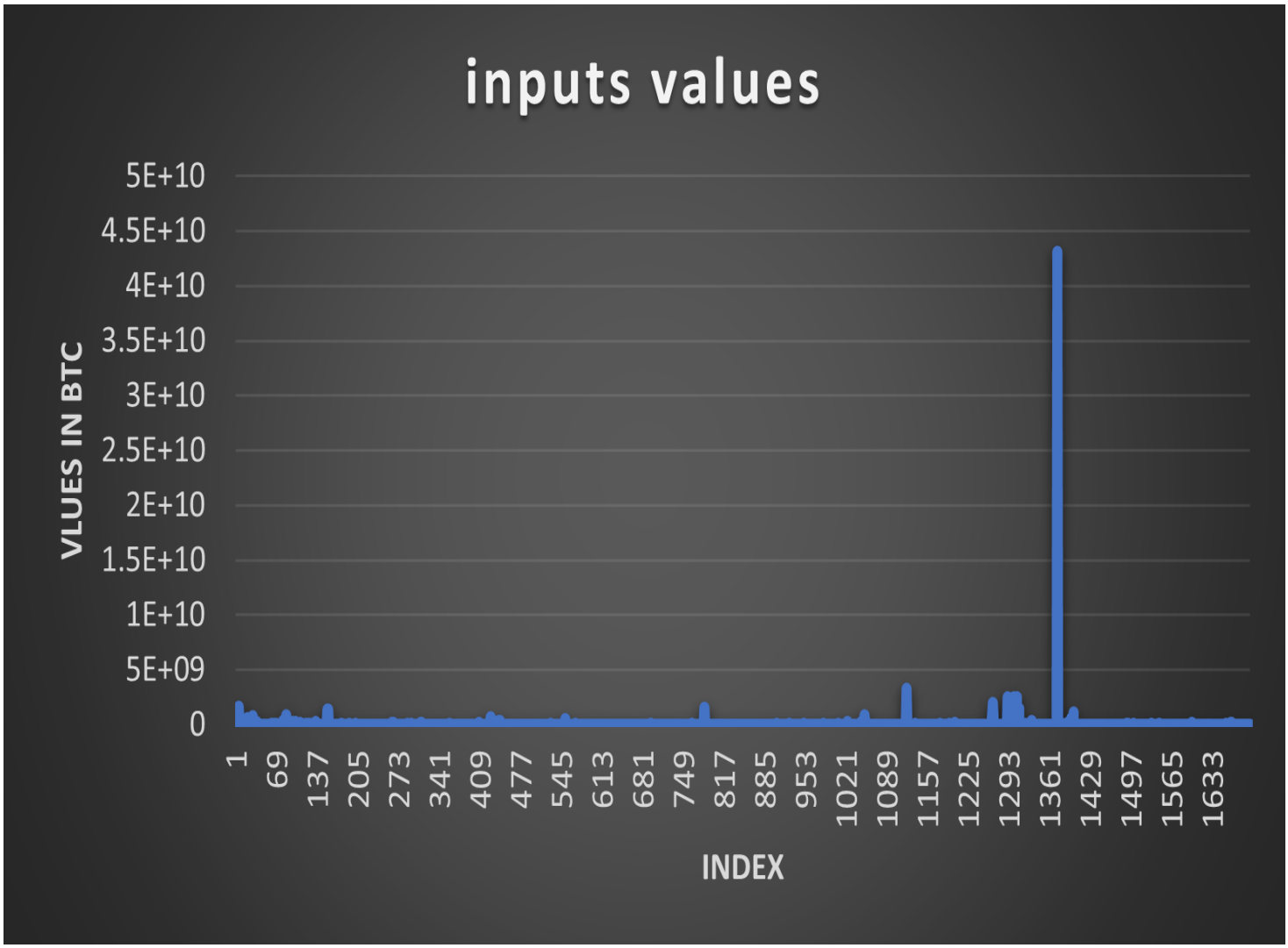
Graphical Analysis with Matlab

Play with our Mathworks codes



Graphical Analysis using using Excel

Checkout the Execel workbook.



Our Python Funcodes 💻
Don't be Scared of Python 🐍

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