**Table 1. The attributes of the NIST Selfish mining dataset.**

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| **S.No** | **Attributes** | **Description** |
| 1. | “numsims” | the number of simulations is 30 |
| 2. | “alpha” | alpha is the ratio of the hash rate of selfish miners. |
| 3. | “timewarp” | the “timewarp” attribute represents the time in seconds that the selfish miner adds to the block he produced, be it 0,3600 or 7200 seconds instead of the real time. |
| 4. | “numblocks” | the number of blocks is 10,000. |
| 5. | “blocktime” | the expected block time (the time taken to create a block) is 600 seconds. |
| 6. | “winratio” | “winratio” is the ratio of the selfish miner’s wins. |
| 7. | “adjustedwinning” | refers to “winratio” with respect to the time that has elapsed. |
| 8. | “selfishsecondsperblock” | The average time it takes for a selfish miner to mine a block. |
| 9. | “relativegain” | The number of blocks added to the main chain by selfish miners. |
| 10. | “adjustedrelativegain” | Revenue of a selfish miner compared to honest miner. |
| 11. | “gainstddev” | The standard deviation of the relative gain of 30 simulations with 1000 blocks. |
| 12. | “adjustedgainstddev” | The standard deviation of the “adjusted relativegain” with 30 simulations with 1000 blocks. |
| 13. | “secondsperblockstddev” | the standard deviation of the inter-block arrival time, standard deviation. |
| 14. | “finalheight” | The last block mined, gives the height of the blockchain. |
| 15. | “numreorgs” | refers to the number of times that the blockchain was re-organized (there was a fork, and someone either selfish or honest miner won). |
| 16. | “smwinreorgs” | The number of times a fork occurred and the selfish Miner won. |
| 17. | “didbetternaive” | naive adjustment of the timestamp of a block two hours into the future for the launch of selfish mining strategy |
| 18. | “didbettertimeadjust” | Timestamp of a block that is a victim of a time jacking attack where the network adjusted time is manipulated. |
| 19. | “gamma” | The ratio of the honest miners. |