Table 1: F-Ratio and P-Value Matrix

|  | Row | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Price of Nitrogen | F-ratio: 1 P-value: 1 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 237.67 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 |
| 2 | Water Availability | F-ratio: 43335116.93 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 0.02 P-value: 0 | F-ratio: 3.48 P-value: 0.0015 | F-ratio: 10299280864.79 P-value: 0 | F-ratio: 226.52 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 |
| 3 | Cropped Acreage | F-ratio: 1818619663.06 P-value: 0 | F-ratio: 41.97 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 146.17 P-value: 0 | F-ratio: 432223933477.04 P-value: 0 | F-ratio: 9506.15 P-value: 0 | F-ratio: 0.06 P-value: 0 | F-ratio: 0.01 P-value: 0 |
| 4 | Agric GDP Bn USD | F-ratio: 12441767.37 P-value: 0 | F-ratio: 0.29 P-value: 0.0015 | F-ratio: 0.01 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 2956984211.53 P-value: 0 | F-ratio: 65.03 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 |
| 5 | Agric Credit | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 |
| 6 | Tech Proxy | F-ratio: 191309.85 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 | F-ratio: 0.02 P-value: 0 | F-ratio: 45467833.83 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 0 P-value: 0 | F-ratio: 0 P-value: 0 |
| 7 | Input Output Ratio | F-ratio: 32685839312.19 P-value: 0 | F-ratio: 754.26 P-value: 0 | F-ratio: 17.97 P-value: 0 | F-ratio: 2627.11 P-value: 0 | F-ratio: 7768310396890.78 P-value: 0 | F-ratio: 170852.88 P-value: 0 | F-ratio: 1 P-value: 1 | F-ratio: 0.26 P-value: 0.0006 |
| 8 | N/P Ratio | F-ratio: 126994887993.28 P-value: 0 | F-ratio: 2930.53 P-value: 0 | F-ratio: 69.83 P-value: 0 | F-ratio: 10207.14 P-value: 0 | F-ratio: 30182358156010.5 P-value: 0 | F-ratio: 663817.82 P-value: 0 | F-ratio: 3.89 P-value: 0.0006 | F-ratio: 1 P-value: 1 |