Neural Network: Predicting Thunderstorms

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | High Temperature | High Humidity | Strong Wind | Thunderstorm |
| Week 1 | 0 | 2 | 1 | 0 |
| Week 2 | 1 | 5 | 1 | 1 |
| Week 3 | 1 | 7 | 6 | 1 |
| Week 4 | 0 | 4 | 1 | 0 |
| Week 5 | 0 | 6 | 5 | 0 |
| Week 6 | 0 | 9 | 1 | 0 |
| Week 7 | 1 | 1 | 1 | 1 |
| Week 8 | 1 | 0 | 1 | 1 |
| Week 9 | 0 | 1 | 1 | 0 |
| Week 10 | 1 | 0 | 8 | 1 |
| Week 11 | 0 | 4 | 1 | 0 |
| Week 12 | 1 | 1 | 4 | 1 |
| Week 13 | 1 | 0 | 1 | 1 |
| Week 14 | 0 | 3 | 1 | 0 |
| Week 15 | 0 | 0 | 4 | 0 |
| Week 16 | 0 | 7 | 1 | 0 |
| Week 17 | 1 | 1 | 1 | 1 |
| Week 18 | 1 | 0 | 2 | 1 |
| Week 19 | 0 | 6 | 3 | 0 |
| Week 20 | 1 | 0 | 0 | 1 |
| Week 21 | 0 | 0 | 1 | 0 |
| Week 22 | 1 | 1 | 5 | 1 |
| Week 23 | 1 | 0 | 1 | 1 |
| Week 24 | 0 | 0 | 1 | 0 |
| Week 25 | 1 | 5 | 1 | 1 |
| Week 26 | 0 | 6 | 9 | 0 |
| Week 27 | 1 | 1 | 1 | 1 |
| Week 28 | 1 | 2 | 1 | 1 |
| Week 29 | 0 | 1 | 9 | 0 |
| Week 30 | 1 | 4 | 0 | 1 |
| Week 31 | 0 | 0 | 8 | 0 |
| Week 32 | 1 | 1 | 9 | 1 |
| Week 33 | 1 | 6 | 6 | 1 |
| Week 34 | 0 | 0 | 1 | 0 |
| Week 35 | 0 | 7 | 6 | 1 |
| Week 36 | 0 | 0 | 1 | 0 |
| Week 37 | 1 | 1 | 1 | 1 |
| Week 38 | 1 | 8 | 1 | 1 |
| Week 39 | 0 | 1 | 1 | 0 |
| Week 40 | 1 | 0 | 0 | 1 |
| Week 41 | 1 | 4 | 1 | 1 |
| Week 42 | 0 | 5 | 1 | 0 |
| Week 43 | 1 | 1 | 1 | 1 |
| Week 44 | 1 | 2 | 8 | 1 |
| Week 45 | 0 | 0 | 1 | 0 |
| Week 46 | 0 | 0 | 1 | 1 |
| Week 47 | 0 | 3 | 1 | 0 |
| Week 48 | 1 | 4 | 1 | 1 |
| Week 49 | 1 | 0 | 1 | 1 |
| Week 50 | 0 | 1 | 1 | 0 |
| Week 51 | 1 | 8 | 9 | 1 |
| Week 52 | 1 | 0 | 0 | ? |

Thunderstorm Column:

0 = No

1 = Yes

**Group Members:**

Annet John

Samarth Gowda

Pratesh Gartaula

Roneil Boodram