

Appendix 5.1 19 Rules for Azerbaijan, E6 plant strategies ANFIS

Rules (Linguistic format)

1. If (Temperature is Medium) then (Strategy is S-C) (0.25)
2. If (Temperature is Medium-High) then (Strategy is S-C) (0.25)
3. If (Temperature is Medium-High) then (Strategy is S-C) (0.5)
4. If (Temperature is Medium-High) then (Strategy is S-C) (0.25)
5. If (Temperature is Medium-High) then (Strategy is S-C) (0.25)
6. If (Precipitation is Low) then (Strategy is S-C) (1)
7. If (Precipitation is Low-Medium) then (Strategy is S-C) (1)
8. If (GFF is Medium) then (Strategy is S-C) (0.25)
9. If (GFF is Medium-High) then (Strategy is S-C) (0.25)
10. If (GFF is High) then (Strategy is S-C) (0.25)
11. If (GFF is Low) then (Strategy is S-C) (0.5)
12. If (GFF is Low-Medium) then (Strategy is S-C) (0.5)
13. If (GFF is Medium) then (Strategy is S-C) (0.5)
14. If (GFF is Low) then (Strategy is S-C) (0.25)
15. If (GFF is Low-Medium) then (Strategy is S-C) (0.25)
16. If (Altitude is Low) then (Strategy is S-C) (1)
17. If (Altitude is Low-Medium) then (Strategy is S-C) (1)
18. If (Altitude is Medium) then (Strategy is S-C) (1)
19. If (Altitude is Medium-High) then (Strategy is S-C) (1)

Rules (Numeric format)

1. 3 0 0 0, 1 (0.25) : 1
2. 4 0 0 0, 1 (0.25) : 1
3. 4 0 0 0, 1 (0.5) : 1
4. 4 0 0 0, 1 (0.25) : 1
5. 4 0 0 0, 1 (0.25) : 1
6. 0 1 0 0, 1 (1) : 1
7. 0 2 0 0, 1 (1) : 1
8. 0 0 3 0, 1 (0.25) : 1
9. 0 0 4 0, 1 (0.25) : 1
10. 0 0 5 0, 1 (0.25) : 1
11. 0 0 1 0, 1 (0.5) : 1
12. 0 0 2 0, 1 (0.5) : 1
13. 0 0 3 0, 1 (0.5) : 1
14. 0 0 1 0, 1 (0.25) : 1
15. 0 0 2 0, 1 (0.25) : 1
16. 0 0 0 1, 1 (1) : 1
17. 0 0 0 2, 1 (1) : 1
18. 0 0 0 3, 1 (1) : 1
19. 0 0 0 4, 1 (1) : 1