

KALP HASTALIĞI RİSKİNİN HESAPLANMASI İÇİN KULLANILAN MATRİSİN OLUŞTURULDUĞU KURAL LİSTESİ

Çıkarım yöntemi olarak mamdani kullandım.

Üyelik fonksiyonları trapmf ve trimf kullandım.

Defuzzification methodu olarak centroid kullandım.

1. If (bloodPressure is low) and (cholesterol is low) and (ldl is normal) and (hdl is high) then (risk is not) (1)
2. If (bloodPressure is low) and (cholesterol is low) and (ldl is limit) and (hdl is high) then (risk is little) (1)
3. If (bloodPressure is low) and (cholesterol is low) and (ldl is high) and (hdl is high) then (risk is high) (1)
4. If (bloodPressure is low) and (cholesterol is low) and (ldl is veryHigh) and (hdl is high) then (risk is high) (1)
5. If (bloodPressure is mid) and (cholesterol is low) and (hdl is high) then (risk is not) (1)
6. If (age is young) and (bloodPressure is mid) and (cholesterol is mid) then (risk is high) (1)
7. If (age is middle) and (bloodPressure is mid) and (cholesterol is mid) then (risk is high) (1)
8. If (age is old) and (bloodPressure is mid) and (cholesterol is mid) then (risk is high) (1)
9. If (age is young) and (bloodPressure is high) and (cholesterol is mid) then (risk is high) (1)
10. If (age is middle) and (bloodPressure is high) and (cholesterol is high) then (risk is high) (1)
11. If (age is old) and (bloodPressure is high) and (cholesterol is high) then (risk is veryHigh) (1)
12. If (age is young) and (bloodPressure is mid) and (cholesterol is low) and (ldl is normal) and (hdl is low) then (risk is little) (1)
13. If (age is young) then (risk is little) (1)
14. If (age is middle) then (risk is high) (1)
15. If (age is old) then (risk is veryHigh) (1)
16. If (age is young) and (bloodPressure is low) and (cholesterol is low) and (ldl is normal) and (hdl is high) then (risk is little) (1)
13. If (age is young) then (risk is little) (1)
14. If (age is middle) then (risk is high) (1)
15. If (age is old) then (risk is veryHigh) (1)
16. If (age is young) and (bloodPressure is low) and (cholesterol is low) and (ldl is normal) and (hdl is high) then (risk is little) (1)
17. If (age is middle) and (bloodPressure is low) and (cholesterol is low) and (ldl is normal) and (hdl is high) then (risk is high) (1)
18. If (age is old) and (bloodPressure is low) and (cholesterol is low) and (ldl is normal) and (hdl is high) then (risk is veryHigh) (1)
19. If (age is middle) and (bloodPressure is low) and (cholesterol is low) and (ldl is veryHigh) and (hdl is high) then (risk is veryHigh) (1)
20. If (bloodPressure is high) and (cholesterol is high) and (ldl is veryHigh) and (hdl is high) then (risk is veryHigh) (1)
21. If (bloodPressure is high) and (cholesterol is high) and (ldl is high) and (hdl is mid) then (risk is veryHigh) (1)
22. If (age is young) and (bloodPressure is veryHigh) and (cholesterol is mid) and (ldl is veryHigh) and (hdl is mid) then (risk is mid) (1)
23. If (age is middle) and (bloodPressure is veryHigh) then (risk is veryHigh) (1)
24. If (age is old) and (bloodPressure is veryHigh) then (risk is veryHigh) (1)