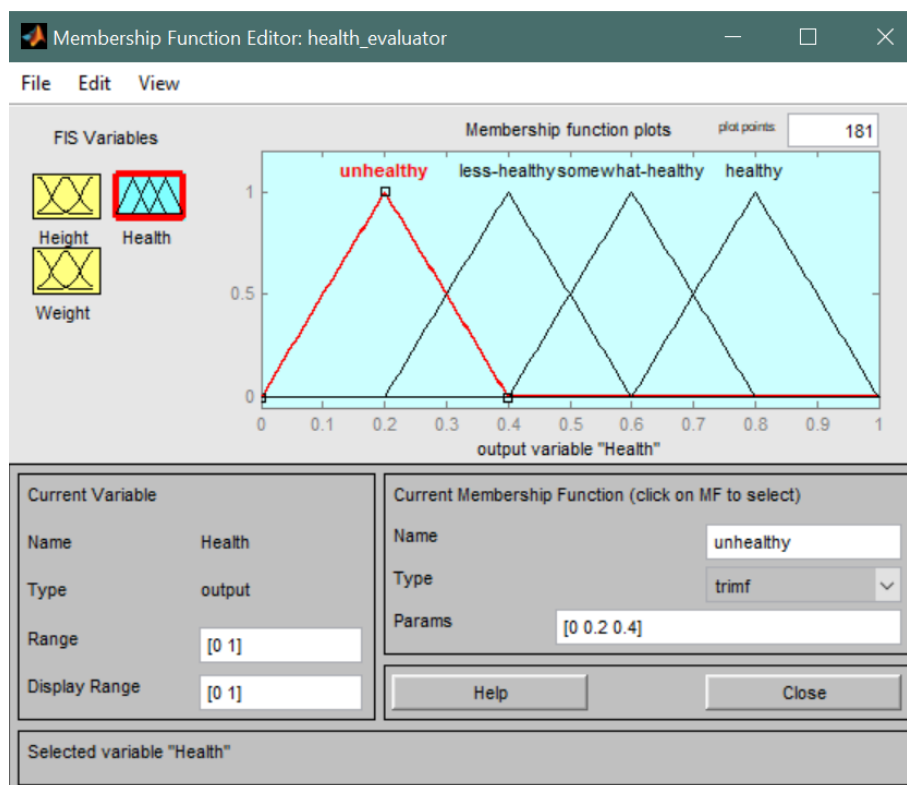
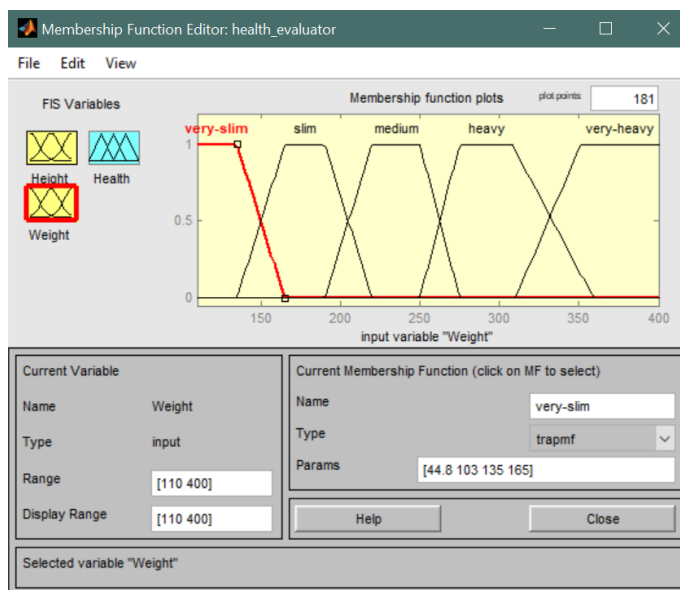
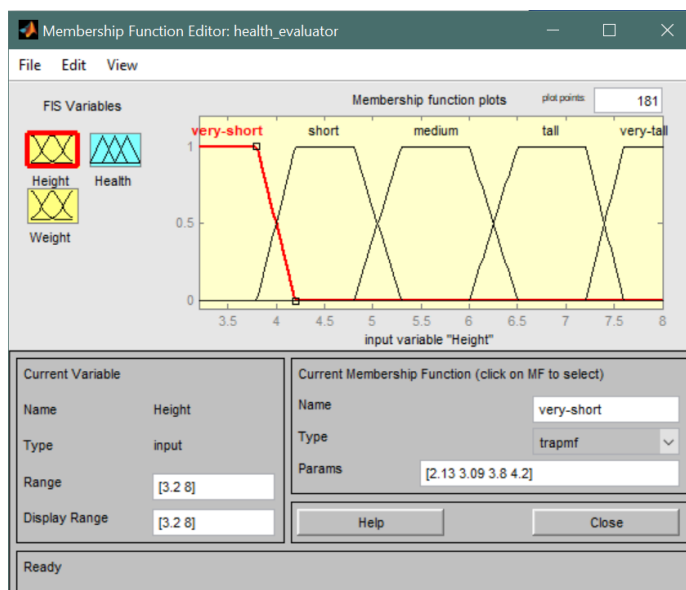


پروژه اول منطق فازی

ابتدا با استفاده از toolbox منطق فازی در متلب، توابع عضویت فازی قد و وزن و میزان سلامتی را مشخص می‌کنیم.



سپس قوانین سیستم استنتاجی را وارد می کنیم.

Rule Editor: health_evaluator

File Edit View Options

11. If (Height is medium) and (Weight is very-slim) then (Health is less-healthy) (1)
 12. If (Height is medium) and (Weight is slim) then (Health is healthy) (1)
 13. If (Height is medium) and (Weight is medium) then (Health is healthy) (1)
 14. If (Height is medium) and (Weight is heavy) then (Health is less-healthy) (1)
 15. If (Height is medium) and (Weight is very-heavy) then (Health is unhealthy) (1)
 16. If (Height is tall) and (Weight is very-slim) then (Health is unhealthy) (1)
 17. If (Height is tall) and (Weight is slim) then (Health is somewhat-healthy) (1)
 18. If (Height is tall) and (Weight is medium) then (Health is healthy) (1)
 19. If (Height is tall) and (Weight is heavy) then (Health is somewhat-healthy) (1)
 20. If (Height is tall) and (Weight is very-heavy) then (Health is unhealthy) (1)
 21. If (Height is very-tall) and (Weight is very-slim) then (Health is unhealthy) (1)
 22. If (Height is very-tall) and (Weight is slim) then (Health is less-healthy) (1)
 23. If (Height is very-tall) and (Weight is medium) then (Health is healthy) (1)
 24. If (Height is very-tall) and (Weight is heavy) then (Health is somewhat-healthy) (1)
 25. If (Height is very-tall) and (Weight is very-heavy) then (Health is less-healthy) (1)

If	and	Then
Height is	Weight is	Health is
very-short short medium tall very-tall none	very-slim slim medium heavy very-heavy none	unhealthy less-healthy somewhat-healthy healthy none
<input type="checkbox"/> not	<input type="checkbox"/> not	<input type="checkbox"/> not

Connection

☐ or

☒ and

Weight: 1

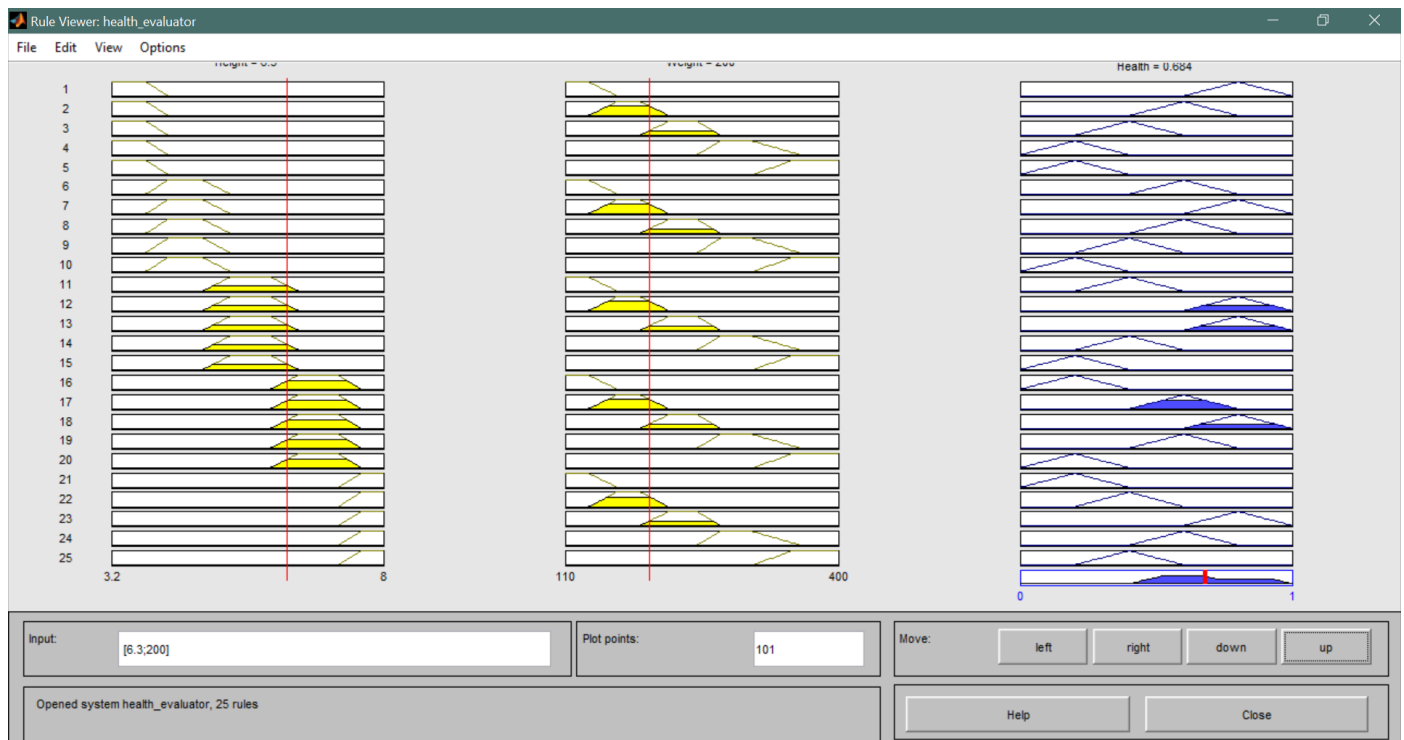
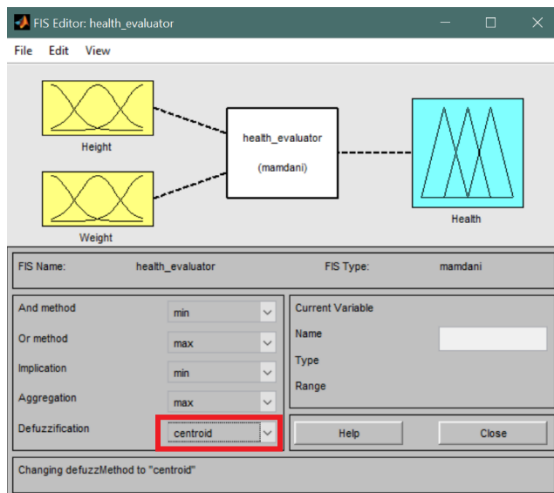
Delete rule Add rule Change rule << >>

Translating to verbose format

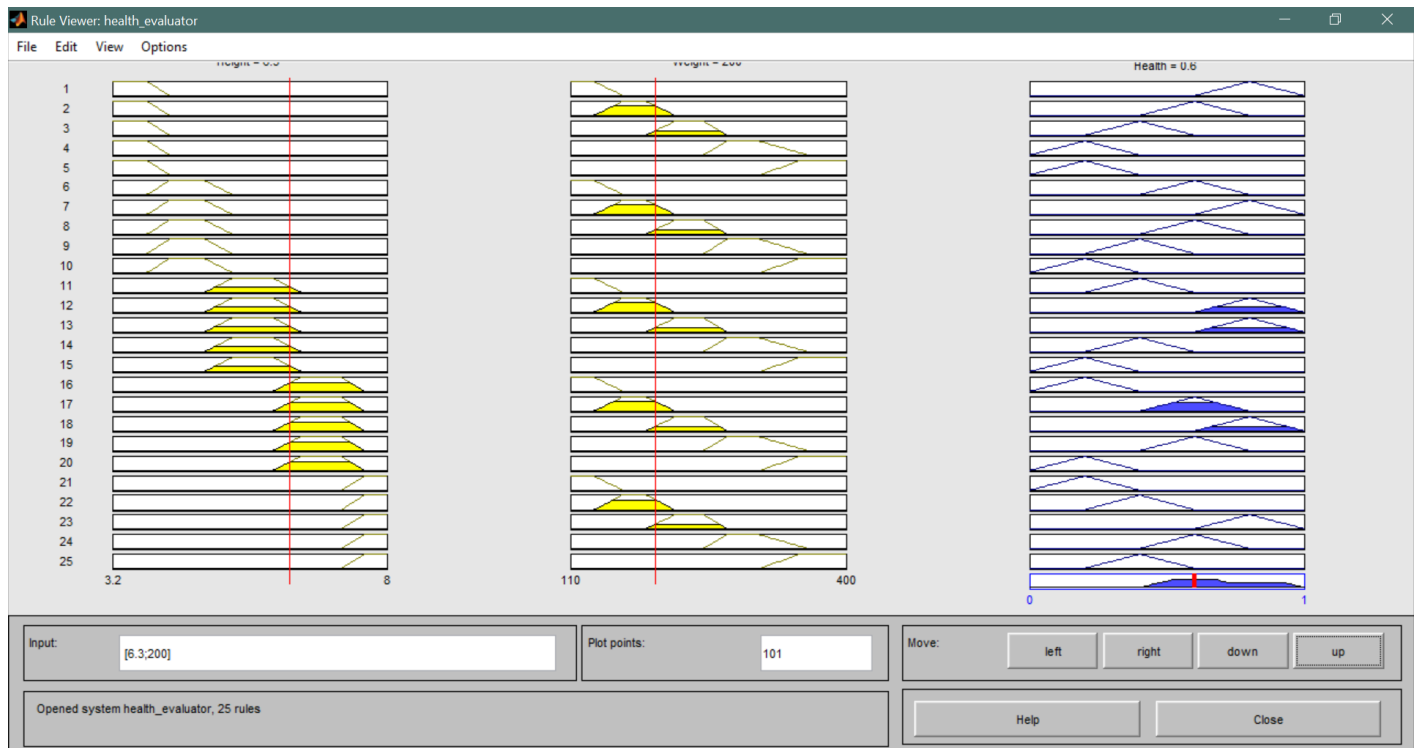
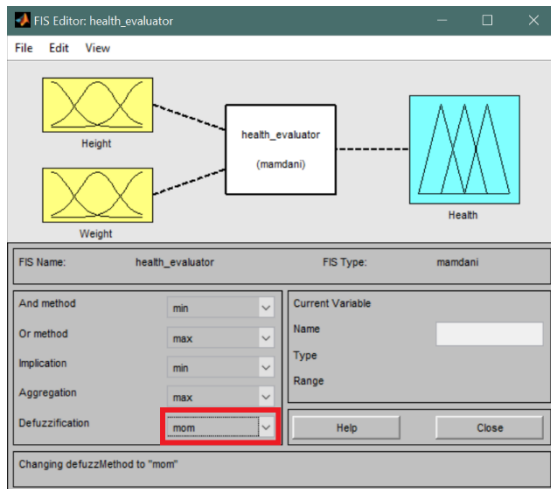
Help Close

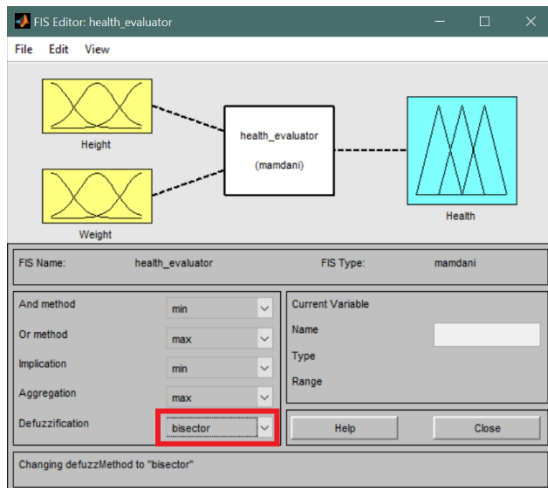
Height = 6.3' and Weight = 200lb

الف) Centroid Of Gravity : Health = 0.684



ب) Mean Of Max : Health = 0.6





ج) Bisector Of Area : Health = 0.67

