Decision-Tree

Info(D) =
$$I(9,5) = -\frac{9}{14}\log_2(\frac{9}{14}) - \frac{5}{14}\log_2(\frac{5}{14}) = 0.940$$

2.1) Info_{89e} (D)=
$$\frac{5}{14}$$
 I(2,3)+ $\frac{4}{14}$ I(4,0) + $\frac{5}{14}$ (3,2) = 0.694

4. แรกกลุ่มของ feature ตามค่าใน root

finata Information Grain

Grain (Income) = 0.971-0.4=0.577

Grain (Student) = 0.971-0.971 = 3 finana > 5

Grain (Credil_rating) = 0.971-0.951=0.02

यात्राह्म का में प्राप्त हिंद किय

Info income =
$$\frac{3}{5}$$
 I (2,1) + $\frac{2}{5}$ I (1,1) = 0.951

muna Information Grain