

Calculate arbitrary tuple

Calculate entropy of each attribute:

**Major**

For major = Science

For major = Engineering

For major = Business

**Gender**

For gender = Female

For gender = Male

**Birth Country**

For birth country = Foreign

For birth country = Canada

**Age range**

For age range = <20

For age range = 20 - 25

For age range = 26 - 30

**Gpa**

For gpa = fair

For gpa = very good

For gpa = excellent

Calculate expected info if S is partitioned according to the attribute

Calculate information gain for each attribute

26-30

20-25

<20