Universidad de San Carlos de Guatemala

Facultad de Ingeniería

Escuela de Postgrado

Introducción a la Minería de Datos

**Proyecto Parte 1**

Glen Abra-ham Calel Robledo

999015052

Apriori

Regla No.1

"54767","{AÑO=[2020,2022],PPERTENENCIA=[4,9],PERIODOEDA=[3,9],DEPTORESIDEN=[1,9),TC=[2,9],CAUFIN=C910} => {EDAD=[0,22)}",0.00281957464516833,0.989780555682285,0.00284868663966096,3.09430255303021,21695

Regla No.2

"86680","{AÑO=[2020,2022],SEXO=[2,9],PERIODOEDA=[3,9],TC=[1,2),CAUFIN=Z33X} => {EDAD=[0,25)}",0.00375409580467054,0.407695348530768,0.00920809084086771,1.22503545022471,6188

Regla No.3

"6031","{PPERTENENCIA=[4,9],PERIODOEDA=[3,9],MUNIRESIDEN=0501,TC=[2,4]} => {SEXO=[1,2)}",0.0717662226042114,0.520249221183801,0.137945853029652,1.28107929914783,167

Regla No.4

"46607","{MES=[8,12],SEXO=[2,9],GRUPETNICO=[2,9],PERIODOEDA=[3,9],DEPTORESIDEN=[1,7),CAUFIN=Z33X} => {EDAD=[18,40)}",0.00289033476047601,0.88227545896106,0.00327600040454438,2.64741613941055,10717

Regla No.5

"22915","{GRUPETNICO=[2,9],EDAD=[1,11),PERIODOEDA=[3,9],MUNIRESIDEN=0101,CAUFIN=J209} => {SEXO=[1,2)}",0.0026796749768904,0.539641434262948,0.00496565831819484,1.42109314534357,5418

FP-Growth

Regla No.1

"23424","{AÑO=[2020,2022],PPERTENENCIA=[4,9],EDAD=[39,999],PERIODOEDA=[3,9],TC=[3,4],CAUFIN=I10X} => {SEXO=[1,2)}",0.00277579829651498,0.364419364419364,0.815563950844816,1227

Regla No.2

"101673","{SEXO=[1,2),PERIODOEDA=[3,9],CAUFIN=F809} => {EDAD=[1,18)}",0.00260095417440676,0.997391871332319,3.06124281730727,9178

Regla No.3

"44031","{SEXO=[1,2),PPERTENENCIA=[4,9],PERIODOEDA=[3,9],CAUFIN=J304} => {EDAD=[1,18)}",0.00266811762388752,0.936350074589756,2.87389041630555,9415

Regla No.4

"115848","{GRUPETNICO=[2,9],EDAD=[40,999],PERIODOEDA=[3,9],CAUFIN=N40X} => {SEXO=[1,2)}",0.00274550787175943,1,2.73806983199588,10180

Regla No.5

"33567","{AÑO=[2011,2013),GRUPETNICO=[2,9],EDAD=[23,45),PERIODOEDA=[3,9],DEPTORESIDEN=[12,19),CAUFIN=Z348} => {SEXO=[2,9]}",0.00409267148532861,1,1.53714842815886,1710

K-Means