Gini Index

				and the same of th	
RID	Age	income	Student	chedit	buy (on putes
<u></u>	Youth	w9h	no	Fair	no
2	Youth	high	no	excuent	no
3	Middle	Nigh	no	Fair	yes
4	senion	nedium	no	Fujn	yes
5	senion	low	yes	Fujn	yes
6	senion	low	Yes	excellent	no
7	Middle	low	yes	excellent	yes
8	youth	Medium	no	Feiro	no
9	youth	Medium Medium	yes	Fuiro	yes
IO	Senion	Medjum	Yes	Feir	Yes
 11	youth	Medium	Yes	excellent	yes
12	Middle	medium	no	excellent	yes
13	Middle	high	yes	Pajo	Yes
14	Senion	medium	no	excellent	20

	buy_Co	mputers	
yes	9		
NO	5		

$$\sin i (D) = 1 - \left(\frac{9}{14}\right) - \left(\frac{5}{14}\right)$$

14

Considera eyon of Possible Spilling subsets for age while

- 1 Lyouth, Middle &, Leniony
- 2 Lyouth, senion y, & middle)
- 3 {middle, seniony, & youthy

				I.	JAIE / / PAGE NO
	Distinct				
	Value	Yes	NO	TOtal	
	youtn !	2	3	5	
	Middle	4	0	4	
	seniora	3	2	5	
				14	and the second s
		e esta como esta esta esta en e			
cor	nsider subs	et & Y	outh,	Middle	3
otin	i age c & youth	y widdl	e3(D)	=	
**************************************		9			1
	9 (1-6	$\left(\frac{5}{9}\right)^{2} - \left(\frac{5}{9}\right)^{2}$	$\frac{3}{9}$		
	IY (9/	9//		
		+ 2			
***************************************	5 / 1-/	35-	(2)		
	IY (' (5/	(5)		
	= 0.4571				
			•	2 6	
Gin	i Age C & yo	10H/ 15	enion	y(D) -	2
	70 () (5 2	15,2		
	10 (1-(5 2 -	(10)	-	
	+	0			
	4 (1-	(4)2 -	. 0	-)	
	IY	(4)	(4)		

Tini Age C (Middle, Senjors (D) =

$$\frac{9}{14}\left(1-\left(\frac{1}{9}\right)^2-\left(\frac{2}{9}\right)^2\right)$$
 +

$$\frac{5}{14}\left(1-\left(\frac{2}{5}\right)^2-\left(\frac{3}{5}\right)^2\right) = 0.3937$$

	DATE.			
similuriy For income		Yes	No	total
Shigh, Low y Smediumy	High Low Medium	2 3 4	2 1 2	H O L
Unini Income (= {high, Low y(= $\frac{8}{14} \left(1 - \left(\frac{5}{8} \right)^2 - \left(\frac{3}{8} \right)^2 \right)$		•		
$\frac{6}{14}\left(1-\left(\frac{42}{6}\right)^{2}-\left(\frac{2}{6}\right)^{2}\right)$				
= 0.4583				
cini Income E & high, Mediun	n 3 (D)			
$= \frac{10}{10} \left(1 - \left(\frac{10}{6} \right)^{2} - \left(\frac{10}{4} \right)^{2} \right)$) +			
$\frac{4}{\text{I}y}\left(\frac{1-\left(\frac{3}{y}\right)^2-\left(\frac{1}{y}\right)^2}{\frac{1}{y}}\right)^2$)			
- 0.4500				
otini Income & & Low, Medy	um y C	D)		
$=\frac{10}{14}\left(1-\left(\frac{1}{10}\right)-\left(\frac{3}{10}\right)^{2}\right)$	+			
$\frac{4}{14}\left(1-\left(\frac{2}{4}\right)^{2}-\left(\frac{2}{4}\right)^{2}\right)$	4			

- 0.4429

and the same of th				
FOR	C 1 . 1 .	1	AHMit	
1010	7110	PYL	Allo	11 6
and the second s	0,40		11101	
	The state of the s	and the second s	The second secon	contributed a media climate discharge in proper description or seal faith.

	yes	NO	TO+CU
yes	6	1	7
NO	3	4	7
			14

Gini stydent (D) =
$$\frac{7}{14} \left(1 - \left(\frac{6}{7} \right)^2 - \left(\frac{1}{7} \right)^2 \right) +$$

$$\frac{7}{14}\left(1\left(\frac{3}{7}\right)^2-\left(\frac{4}{7}\right)^2\right)$$

$$= 0.3673$$

For credit nuing

-		yes	NO	Total	
No. of Concession, Name of Street, or other	Fuiro	6	2	8	
William Par	excellent	3	3	6	
MONEY STONE	deriver a supplier could not the state of the			14	

$$\frac{6}{14}\left(1-\frac{3}{6}\right)^2-\frac{3}{6}\right)$$

= 0.4286

AHMOBULE	Gini Index	Δ gini
Age	0.3571	0.4592 -0.3571 =0.1021
Income	0-4429	0.4592 -0.4429 =0.0163
student	0.3673	0.4592 -0.3673=0.0919
(boult_buring	0.4286	0.4592 70.4286=0.306

MOW ON
 YOUTOPO
Ser

	. \					
	you nion			140		
				190	10	
				Nida	49	
Income	student	CR	class		1	α
high	no	Feirs	20			
high	no	exe	no			
medium	no	Fairs	no		on cineria	
low	yes	Fuirs	Yes		Name of the last o	
medium	yes	exe	Yes		Seven Chan	
meajum	no	Fairs	405		and Comment	
low	yes	Fujo	yes			
low	yes	exe	no			
Medium	Y es	Puito	Yes		, Comment	
Medium	no	exe	no		400	
				*	i i	

				_
Income	Studen+	CR	ciuss	100
nigh	no	fair	yes	-
LOW	yes	excellent	Yes	
Medium	no	excellen-	Yes	
Mgn	yes	Fey'ro	yes	