185° 14.	
	Statistics - Worksheet 3
	(b) Total Variation = Residuel Variation +
	(b) Reguession raniation
<u> </u>	(c) binomial
3	(a) 2 (3)9 (3)9 (3)9 (3)9
9	(a) Type-I everor
(5)	(b) Size of the test
(6)	b) vircease
<b>3</b>	b) Hy Pothesis
( <u>G</u> )	d) All of the mertioned
9	9)0

10)	Baye's Theorem
•	Baye's Theorem i's a mathematical formula for determining conditional probability
	Bayes med to dolerning complety
	formula for conditional prome
	formula for determining conductify fromalitity Conditional persuality  Conditional of an outcome
	Probability Conditional of anoutcome occurring hased on a previous outcome
	occount
*	- Colling .
•	Formula:
	P(AIB) = P(ANB) = PCA). PCBIA)
	P(A1B) = P(A10) PCB) PCB)
	20. 0
	P(A) = Probability of A occurring  B occurring
	P(A) = Probability of B occurring  P(B) = Probability of B occurring  A green B
Market 1	PCB) = Probability of Agences B
	P(B) = Probability of Agency B P(BIA) = Probability of B given A P(BIA) = Probability of B given A
	P(A)B) = Probability of 12
	born occurry
	Letter Participality
11)	2-Score
	angih es due preiteri of
•	A 2-score desvribes que positioni of
	a raw side in terms of its distance from the mean when measured in standard derivation
	distance production when
	measure in white deligation
	units

	Dies Dies
	The z-scou is Positive when value his about the mean and relative
	about the mean and refative of
	it has below the and regaling
	mean of
	formula:
	Z= N-U
	6
	Where
	N = Store
	U= mean
	6 = SD
1-	
12	T-Test
	and the second of the second
	At-test is a type of inferential
L.	statistic used to determine if there is
	a significance difference between the
	meen of Lgeroups which we may
	be selected in certain features
-	A 1
	Attest is one of many tests used
	of the purpose of hypothesis
	tisting
•	C I I I I I I I I I I I I I I I I I I I
	tolorgela
	+ - Military and
	t = m-u where' m= mean s=SI)
	- 1 lical value
	N= Variable set -5136

(3) Par 111
(13) Percenti/e
A percentile is a term used
a Score compares to other scores
lie the same sol
Jt is percentage of values that fall helow a particular value in a Set of data 80 Scores
fall below a particular value
ui a Set of data 80 Scores
(-=0
14) ANOVA
· Anelysts of 1294 auce (ANOVA) is
- Analysis of varionice (ANOVA) is a stastical technique that is
used to check if the means of
+420 de moie geroups au significantly
two de more groups au significantly different from each other
one or more factors by comparing the mean of different samples
one or more factors by contraction
the mean of conflorent
- Sampus
(15) How can Anova Help
- Criteri
The see one way A NOVA can well you know whether or wit there are significant
well unes burnet at
142t the are whether or
Significant

differences bothseen the means of your independent variables

" When you understand how each independent variable's mean is different from the others you can begin to understand which of hum has a sometion to your dependent variable and begin to learn what is desiring that behaviour