MA 244 Homewak 7.

12.46

- a. Y: -2.55 + 3.82 X1 + 2.63 X2 1.29 X. X2
- 5. A lover that for book & cut to cut en juticution term XX.

Intention tun \$ 12 -> Courte or surfice out is not a simple place. but a more complex slope that can twist and bud in the \$1 - 12 place.

The sign of the reduction term is regimen. which suggests that the effect of increasing one of the viribles to a the chances increases. The culd visible in a subtle - shiple or twisted place surface.



cl. In the current of a regression model. saying to end the instruct mens that the effect of the inspire variable y is unt current but depends on the value of the only in the value.

The turn -1-29 \$ 12 is an intercession term.

The guph in part c shows three laws. If to and the chief and instruct, we until expect these lives to be partled because changing the value of the until samply shift the law up or chosen without chiques the shope. However, the laws are and partled, indirectly that the shope of the relativistic because y and to changes with all themselves of the relativistic because the continuous of the intervation because the cut the shope of the relativistic because the continuous partless of the relativistic because the continuous partless of the continuous partless of the relativistic because the continuous partless of the relativistic because the continuous partless of the relativistic because the continuous partless of the continuous partless of the continuous partless of the relativistic because the continuous partless of the con

C. Ho: BR. X2 =0 Hu: BR. 12 +0

J. Gim! p-use Ju de jutantin em XXx 15 0.000.
p-use < explu = v. v/

Kejne de 1/v.

The went that we are sung excleme to suggest that there is an interview between XI and XI.

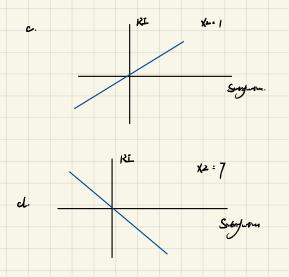
Tungle, the extent of XI on the veryonse variable Y deputs on the value of XI. and vice versus.

- a. "Swifterm (XI" and "Seaf come I tenere (XXI) "have produces has the own which means they we survedusly significant at the own level.

 Timbe we can conclude the the world model is sentistally welf-t in pulicity y because at least one pulicities is surveilly significant.
- b. The pruhe of the interestin term XX is los the v. v. I.

The news we have study explaned to support that there is an inforcation between Supplies with in the firmer (Xx).

Timple the effect of Supports on the with years of the cusumes to shop at a vertile's state in the firme deposits on the level of Retails Interest. In vice verse.



The stope of the valetactip between surjection and papertury intertions charges capacity in the land of various interest.

12.88

- a. Mounty Femile us see but lend
- 1). Hepmen Bluste Cucism crapy. If we substitute is a Bluke Cucism. Dist. If we were Bluke Cucism compy. If the substitute is Browster Cucism. Das 1. If we were Bluke Cucism on MF1. Daso.

Bue level MF1 Day represent when D. and De = 0

- b. Ey, . 1 + 1 1, + 1 1, + 1 + E
- C. Eys But C. . pe + ps.
- d. Ey, pure Cu MF . But B.) Bu = B,
- e. B. >0 : B. represent the difference in MC between Blacke Concern and MF salvetus. A prove B. multi indicate that Blacke Concerns subcrus.
 - Be . U : Be represente the attitude in MC beams Bucroe Concern and MF salares. If the of zero until indicate that there is no attitude in the when curtitudes between Brussele Concern and MF salares.
- Be call be ever prive a regree cut always alone to be sery.

J. The usua Julys we: . The B extincte for the Black Concern change mobile is prive and specimenty attempt for to probe (0.01).

The suggests that Black Concern solven. on every noise were food than MF. which origins with the theory. . The B exemple In the Burese Cuescian change with it positive but we significantly obtained June o pulle soul). This suggests that there is no significant difference in the mean contribution leads between Branche Concession and 144 Subjected, which also enligue with the thery. In curchain, the resemb Judays support the theory.