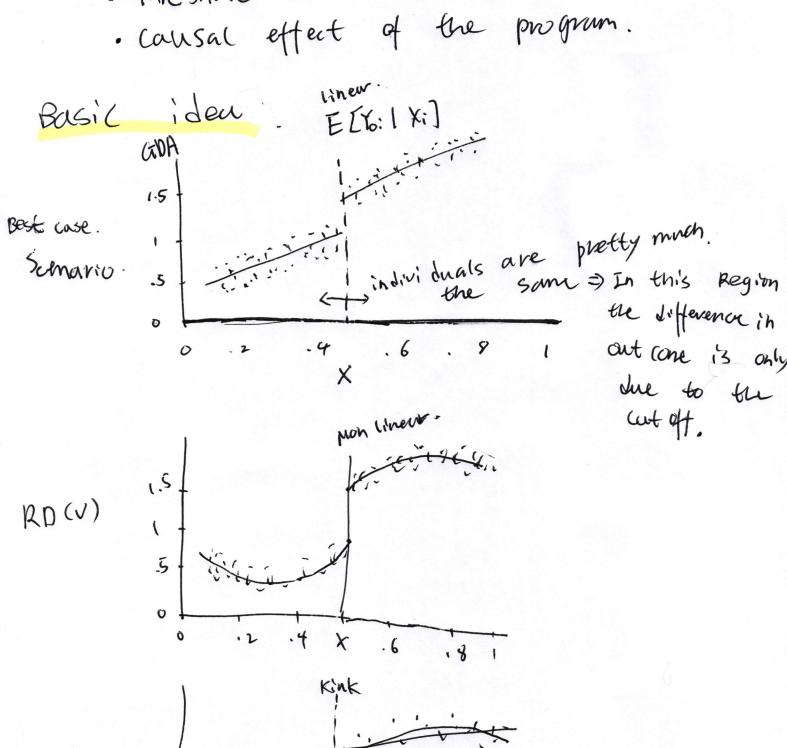
Regression Discontinuity.

Motivation: i.e. Scholarship U.S. GPA?

- . Threshold on the PSAT Score.



Pp(X)

Implementing RD.

case 1: Pure linear

7= Bo + B,X + B2[(X7Xo)+e.

Program effect,

program effect,

(xventuent)

case2: polynomial

Y= Bo + B,X +BX2 +BX3+B4 I(X)X)+1

case 3: Different trend on either side. $x'=x-x_0$ distance to cut off.

Y=Bo+B1X'+B2I(X>Xo)X+B3I(X>Xo)+

Problems

- (1) Another program is active that uses the same threshold
- 3 The underlying relationship is jumpy
- 3) Individuals are able to manipulate & to push them selves over the threshold.

Fuzzy Discontinuities

(Not publically announced threshold).

(Not publically announced threshold).

=) USE 25LS with the IV dumpy for being above the see onveshold.