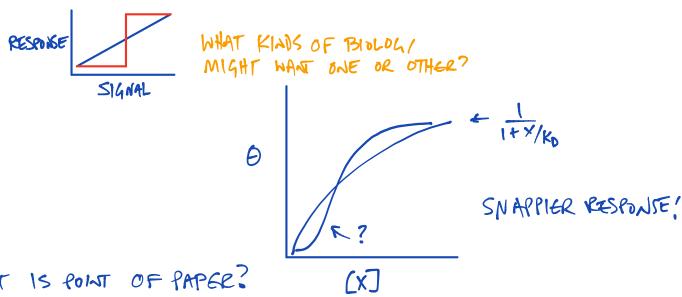
MONUD WYMAN CHANGEURY MODELS



WHAT IS POINT OF PAPER?

- EXPLAIN PHENOMENON OF COOPERATIVITY

HOW DO THEY EXPLAN?

- SIMPLE, SYMMETRICAL MODEL

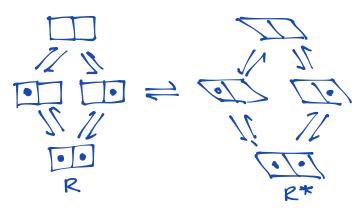
WHAT ARE ASSUMPTIONS ON P.90

- -> SYMMETTLY
- -> EACH POSTOMER FORMS INE INTERACTION

SITES ARE INESTICAL

- -> PROTOMERS CONSTRAIN EARH OTHER
- -> EXISTING EQUILIBRIUM
 - -> STATES HAVE DIFFERENT AFFINITY
 - -> SIMMETRLY PRESERVED

THO SITE MUDEL



A SIMPLIFIED MOBEL

DERIVE EXPLESSION FOR

$$Z = R + R^{*} + 2R^{*}X + R^{*}X_{2}$$

$$= R + R^{*} + 2R^{*}X + R^{*}X_{2}$$

$$R + R^{*} \left(1 + 2X + X^{2} + X^{2$$

$$K_{D} = \frac{R^{*} \cdot x}{R^{*} \cdot x}$$

$$R^{*} \times = \frac{R^{*} \cdot x}{R^{*} \cdot x}$$

$$K_{D} = \frac{R^{*} \cdot x}{R^{*} \cdot x}$$

$$R^{*} \times_{2} = \frac{R^{*} \cdot x \cdot x}{R^{*} \cdot x}$$

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$$\theta = 2 \cdot \frac{1 + \frac{1}{\sqrt{K_0}} \left(1 + \frac{1}{\sqrt{K_0}}\right)^2}{1 + \frac{1}{\sqrt{K_0}} \left(1 + \frac{1}{\sqrt{K_0}}\right)^2}$$

 $\theta = u \cdot \frac{1 + K_{k}(1 + X/K^{0})}{1 + K_{k}(1 + X/K^{0})}$

WHAT HAPPENS AS LTI?
ADD MORE SITES, STEEPER COOPERATIVITY

SWITCH · LIKE BEHAVIOR.

WHAT IF KX >> 1?

n x/ko NORMAL 1+x/ko BINDING CURVE

K* MUST DISFAVOR BYDISA

WHAT IF ASSUMPTIODS WRONG?

		•

- SOME SOUT OF NATURAL 7 HENOMENON

- MAYBE DOCTIR KNOWS PROBLEM, BUT NEEDS MAGIC WOLDS

PEDPLE COME BACK

Mayorh.

STRICT CODE. ONLY TAKE UNWANTED CREATNESS.

