NEXT 26 Any 2019
See Experimentation Notes 21 Anyered 2019 Ryan Meeting

Bentueloilo, Schmitt-Grave & Unibe (1955)

Challenges the conventional notion that active pol.

(mon pol that regards more than 1.1 to te) is

stabilizing — it is only stable (unique) in a "very"

local neighborhood of the st. O.

To pretentes around its "Itable" value for a while

before converging to the passive st. 88.

Co makes energing lig traps hard to defect!

Lo B this a feature of learning models?

Needs as.

I said in the meeting that " Elb episode should never have happened if beliefs west anchoold" -> 1 meant that T = E(TL), (kind of) and of E(T) = 31, It could never have gone down so low as to warrant i=0%. - Ryan said something like what if we were in the low-to period just & periods too show, so that if it had purished I more purious, expectations had become unanchored and we'd never have gotten out!

2 ophins for Burhabet et al (1949):

either learning models rationalize multiphicity for active policy

or learning models offer a different englanding for the stide into lig. praps.

## Davig & Leeper (2007)

Markov-process for Taylor-sole parameters
expectations-effects: even if you're in an active
require, if ppl. expect that you may smith,
macro volability 1

You can get indeterminary if passive regime is

a) sufficiently permanent b) or sufficiently passive

Ghis 6 in spirit like unanchoood E(.).

Degime-switching increases the local determinacy region b/c you can "stone up on" hawleishness so you have more allowed "donishness arelit"

Is regime-change on the policy-side
15. CEMP: regime-change on the learning-side

· Burhabit et al (1993):

a light map (:5)

· Davy & leeper (2007)

The 70's wasn't indeterminate by the LRTP (IR taylor principle) holds, but there were large shoots that were amplified by policy.

· COMP

The Fo's was due to large gains.

In "Limits to Mon. Pol" C&P & Gannoni

also argue that the gain was large marrily due to love policy in the Fo's (Icn due to Shooks)

Inflation targeting countries:

New Zealand (1990)

Canada (1991)

Lek (1992) (RPI of 2.5% -> (PI of 2% since 2003)

SWE (1993 amounced, applied 1995)

ECB 2%

US (2012) (2% PCE)

-> in the data, what I see is that CPI inflation came \$5 yes after the intro of the transching.

hut the "LR-PC becomes non-vertical when infl. E()
ore andworld" i.e. he's saying that The u-Th
tradeoff survives into the LR then

-> money non-newtrality in the LR.

CEMP-view of Ti-development:  $\pi_t = E^{i\alpha}(\bar{\pi}) + \text{shocks}$ Imc mon pol Svenmon is souping + shortes < what it should Tt = EUCT) "MP didn't do enough! -so when E() anchored, MP very strong in tems of output gap / unemployment control.

The = ELR (The - Through) + Shocks

when unanchored, ELR responds a let to missing

the target -> oreothophing gets amplified (lineral)

=> self-referentiality

faster (the LR amves quider / earlier)

=> unanchored makes MP weaker: bigger interventions are needed.

-> the "Svenson summo" doesn't describe amas Us monpol well, though: · a ~ a while u < u" Or does it? Can we Trible of a story in which  $\overline{n}_{+} = ELR(\pi_{+} - \overline{\pi}) + shorts \quad [unandhord]$   $\boxed{319}$ 15 (andword) TI+ = ELR(T) + shortes <u>O1</u> -> a doesn't incresse as much while labor morbed effects are lunge! But this is where the "where are they anchored?" 1.5% = ELR (1.5%-2%) + Shortes 20 but maybe not large or personal enough for expectations to adjust. -> this stony is hader

to tell if expectations are unchosed at 3%, a much higher level.

=> the question Though also is "whose expectation"?

-> the 3% may be lower if The up, con's expectations over shoot less than those of HHs.

But de, at least I can sationative svensson's story - and maybe post errors need to be very biz or very persistent for expeditions to become unanchoood.

was gowed of manchoning of expectations during the consis:

. spiral down

· lon of conford

· 2LB

are necessary to more The if E() are not anchored.

-> it's poss to get into ZLB w/ unchosed beligh

 $-\pi_{+} = ELR(\overline{\tau}) + shocks \sqrt{2}$ 

⇒ and getting out should be a lest harder (require larger MP shoulds) if beliefs become unanchored ble as long as The Z T

⇒ ELR <0 which pushes TeV

well then it's easy to get to  $\pi = 2\%$  one time, but it will take a pearstent series of MP modes to maintain that level unless you" unancher" beliefs in order to shift the anchor to the court place -> Mis seems to be an "overshoot-villy" hung.

Dinhe wincidence

no tredeoff bother output youp - 2 The Sabilitation In COMP were's no lemend site

I well now after The Peter meeting it feels
like the DC doesn't hold: Fed brades off

T-exp(.) = Tt is output in the Se!

Peter meeting 27 Aug. 2019 · diss-fells. 2 Prezi oct 1. · Priston new dir: a learning model take on stol issues: i) will tageting ii) credibility iii) effectiveness of MP iv) "unomalies of Taylor-mes Burhabib, Sulmit-Grobe & Unibe (1995)

global stability of TR: 2 egb / parmie -> fall into Liq traps Davig & Leeper (2007) LR-TP: expended determinacy region when monpol can be thought of regime-smithing. · Try a simil w/ only I source of randomers or no undommen at all (For rn)

· - instead of a +

To Benhabib et al.

Tel dranges TR only around DB

see follow on TR bout when i = 0%.

we keep it at 0%.

nowhhearty in TR (Bentutoit et al)

5. we switch to stry else as Erb
(regime-smitching)

Butation
In RE, the both ego is the attractor: how much
of that depends on RE 485? Would it be
worse / better w/ learning?
Benare: global analysis w/ learning might
be tough

forced in some sense to deviate from a TR or

to been expectations andworld / manitarie credibility Ut bondroff 65m Ti-mangement & and many -> sweep in Leeper Std TR diff regime when unandroved => could be done using linear methods and simulation "here's a MP rule that preserves and best's a smitching regime that gets the best of both worlds "

and date (estimate using the grin-result from CEMP as you don't have to estimate the bent)

Ercey & Levin JME (2003)

Volder-disinfulnion not explannable using RE

Lynamics of (T, Y) cannot be explained

u/o a signal extraction on (B's baged

Marin Goodfriend (1993) "Interest sate policy and the Infl Scarc Problem"

Credibility of feed was called 11th question

-> so when Fome book actions That weren't professed by TR it's b/c they warmen preserve credibility.

+ "Matter it takes" (Draghi)

"He Fed Listens" Chicago conference

iller Mere (Powell & John Willrams & Carida)

"We don't warmen get into low E()"

"better act now hen later"

Leeper, Preston, Margaret Jacobson
"Recovery of 1933"
What indeed the Deflation of boar Recensor
BOR took over and I'm in charge of the Fed"
— Tunder those arrumstances it's de

Work after Errey & lenn: a DSGE model in which agents

Try do disentangle permanent is bornsolory shooles

to the inflation danget

duta that persistent first errors aren't irrahand; instead they reflect uncertainty on the regime Goodfriend: inflation scare: when market - based Teexpectations jump up (here: the LR interate), indicating low credibility of the Fed -> Fed has to raise the FER to indicate its commitment to low It & maintain credibility.

The main tubeaway seems to be: a diff take on US mon history ( echoning goodfriend's idea of an "inflation scare") is that under learning, Here's a fooderff born mon bycchie and creditility -> his can explain Us mon history as well as the recent intente out (July 2015) as signalling commisment to the 210 target. -> Could blemonstrate in an NK model that · when undroved, a TR does pre . when unanchored, a new rule does better = a hybrid rule that is regime-smithing gets the "bust of both worlds" - and this kind of behavior is what policy-makers actalling about. => would also shed light on the flat NKPC" issue:

· when unanchored, not flat, but you fight to get andwring · when anchored, flat be ( E(a) don't respond.

