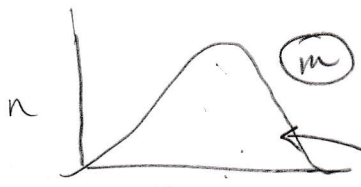
From discussion at NERPN meeting, New Hampshire — 18 Nov 2016

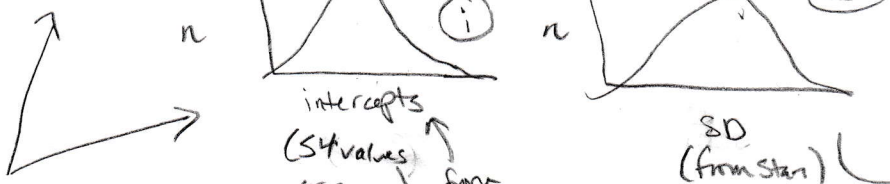
(1) Fit Stan on each dataset w/ pre C.C. data

(1000 of mu_b) → compare ~~mean across iterations~~ / per spp? or include all iterations? 22000 vs 22



Use posterior, then draw 1 value for sp. a

for intercepts # all int is ~~how many spp~~ ? n int + n spp ? for sd

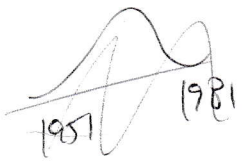


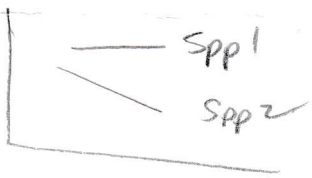
look at code from Andy

(1a) $ypred_{spa} = a_a + \beta_a x$ in model

then.. (1b) $y_{spa} = rnorm(length\ t.s.:, ypred_{as}, SD_{a\,draw})$

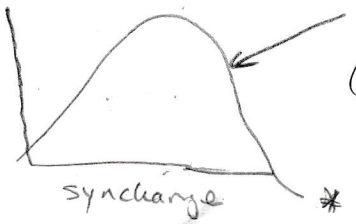
(new y)





X? years?

(2)



Uses stan output but not a posterior

(pre-C.C. P_b) n= 1 / intera

* Can eventually try distribution so not just n=12... *

(2a) Draw from (syn) then β_a (from above)

$\Rightarrow \beta_b = \beta_a - syn$.

(2b) New t.s. for sp b. new draw from (i), new draw from (SD)

use interept + sd distn from spp 1 + do new draws

$ypred_{spb} = a_b + \beta_b x$ ... $y_b = rnorm(t.s._{length}, ypred_b, SD$

(3) Then re-run Stan on new data!

for each spp