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#illustrate the content of the folder and how the program
operates

#illustrate options
./drc --nofiles fetch
./drc -P ActivationRate .10 fetch
./drc -S ActivationRate .10 .20 .02 fetch
./drc -p new.parameters fetch
./drc -a fetch
./drc -b regularHighFrequency.txt fetch

#let's try to make the DRC quicker
./drc --nofiles -S OrthlexPhonlexExcitation .25 .50 5 fetch
./drc --nofiles -S ActivationRate .2 .4 5 fetch
#it seems that ActivationRate is more effective: why? Note the
non linearity.
./drc --nofiles -S GPCPhonemeExcitation .051 .091 5 fetch
#not so effective, right? Why?

#let's dive into the fine balance between the two routes
./drc --nofiles chef #this is a very difficult item for the
lexical route
./drc --nofiles starn #this is a very difficult item for the
GPC route

#let's try to break the balance
./drc --nofiles -S GPCPhonemeExcitation .051 .091 5 chef #chef
gets regularised
./drc --nofiles -S OrthlexPhonlexExcitation .25 .50 6 starn
#whoops, no effect whatsoever here. Why? Let's check
activations.
./drc -a -P OrthlexPhonlexExcitation .50 starn

#let's find another way to let lexical competitors come up
./drc --nofiles -S LetterOrthlexInhibition .48 .36 7 starn
./drc -a -P LetterOrthlexInhibition .40 starn

#can we compensate with a stronger GPC route?
./drc --nofiles -S LetterOrthlexInhibition .40 -S
GPCPhonemeExcitation .051 .091 5 starn
#yes, we can. But notice how quicker is now 'starn' (at
GPC=.061) as compared to the default parameter set. So perhaps
these parameters would mess us with 'chef'?
./drc --nofiles -S LetterOrthlexInhibition .40 -P
GPCPhonemeExcitation .061 chef

./drc -a chef #we explore the activations and we see how the
regular first phoneme 'J' is giving us troubles

#we can run batches of stimuli at once
./drc --nofiles -b words.txt

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./drc --nofiles -b nonwords.txt
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# Default DRC Parameters for Australian English
#
# General Parameters
ActivationRate 0.2
FrequencyScale 0.05
MinReadingPhonology 0.4

# Feature Level Parameters
FeatureLetterExcitation 0.005
FeatureLetterInhibition 0.15

# Letter Level Parameters
LetterOrthlexExcitation 0.07
LetterOrthlexInhibition 0.48
LetterLateralInhibition 0

# Orthographic Lexicon (Orthlex) Parameters
OrthlexPhonlexExcitation 0.25
OrthlexPhonlexInhibition 0
OrthlexLetterExcitation 0.3
OrthlexLetterInhibition 0
OrthlexLateralInhibition 0.06

# Phonological Lexicon (Phonlex) Parameters
PhonlexPhonemeExcitation 0.09
PhonlexPhonemeInhibition 0
PhonlexOrthlexExcitation 0.25
PhonlexOrthlexInhibition 0
PhonlexLateralInhibition 0.07

# Phoneme Level Parameters
PhonemePhonlexExcitation 0.04
PhonemePhonlexInhibition 0.16
PhonemeLateralInhibition 0.147
PhonemeUnsupportedDecay 0.05

# GPC Route Parameters
GPCPhonemeExcitation 0.051
GPCCriticalPhonology 0.05
GPCOnset 26
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