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Nano Name Generator - NNG - Neural Network
Overview:
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NNG is a generative AI project that learns of next character of the sequen
ce given the previous character.
This project uses neural network to achieve a comparable loss wrt to stati
stical method.
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Input = Text file with child names
Output = Generated names using neural nets
Output = Loss function or Maximum likelihood estimation
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Number of names in the input file = 32033
First 5 names in the input file ['emma', 'olivia', 'ava', 'isabella', 'sop
hia']


Number of bigram examples 228146


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  Start gradient descent and update neural network weights
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Loss function - Maximum likelihood estimation =  2.5340
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OUTPUT
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Create 25 new names based on bigram probabilites

junide.
janasah.
pxzfay.
a.
nn.
kai.
ritolian.
jgee.
ksaheiauyanilevias.
dbdainrwieta.
sejaielylarte.
favmumerifontume.
pfynslenariani.
core.
yaenon.
ka.
jabrinerimiin.
wynin.
anaasn.
svilesuszxh.
dgon.
mitan.
il.
le.
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pann.