

(TOP (S (NP (DT The) (NN flight)) (VP (MD should) (VP (VB be) (NP (NP* (CD eleven) (RB a.m)) (NN tomorrow))))) (PUNC .))

Log prob: -40.8600586204

Line 1

parse:

(TOP (S (S* (S (NP_PRP I) (VP (MD would) (VP (VP* (VP* (VB like) (NP_PRP it)) (X_TO to)) (VP (VBP have) (NP (NP (DT a) (NN stop)) (PP (IN in) (NP (NNP New) (NNP York)))))))) (CC and)) (S (NP_PRP I) (VP (MD would) (VP (VB like) (NP (NP (DT a) (NN flight)) (SBAR (WHNP_WDT that) (S_VP (VBZ serves) (ADVP_RB <unk>)))))))) (PUNC .))

Log prob: -84.9602620899

Line 2

parse:

(TOP (SBARQ (WHNP (WHNP_WDT Which) (PP (IN of) (NP_DT these))) (SQ_VP (VBP serve) (NP_NN dinner))) (PUNC ?))

Log prob: -20.2054617111

Line 3

parse:

(TOP (SBARQ (WHNP (WDT Which) (NNS ones)) (SQ_VP (VBP stop) (PP (IN in) (NP_NNP Nashville)))) (PUNC ?))

Log prob: -23.540353035

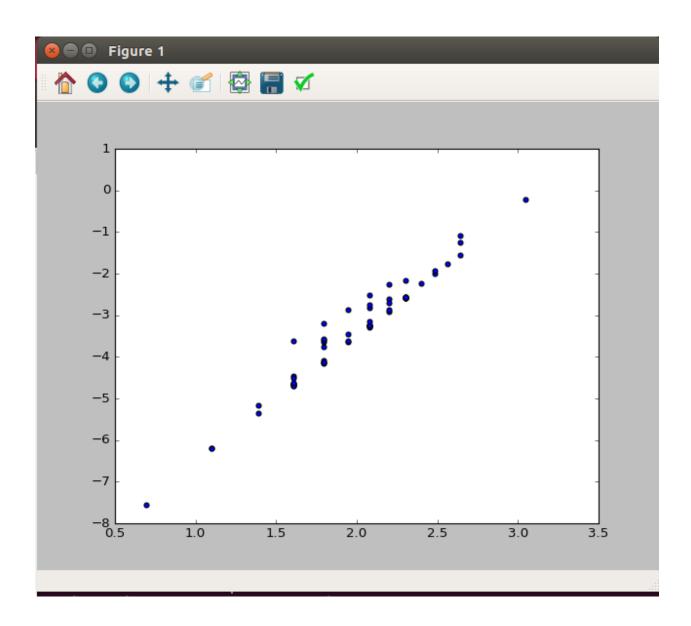
Line 4

parse:

(TOP (SQ (VBP <unk>) (SQ* (NP_NP_EX there) (SQ* (NP (DT any) (NNS flights)) (VP (VBG arriving) (PP (IN after) (NP (CD eleven) (RB a.m))))))) (PUNC ?))

Log prob: -37.2789349196

Log-log plot, sentence length = x-axis, parse time = y-axis



The best fit for this equation = $3.037 \log(x) - 9.396$

Note: found weights using np.polyfit function with polynomial value of 1 (to fit the equation $y = c \log(x) + d$

Yes, my equation is very close to fitting the $y = cx^3$ equation

– it fits the precise equation y = $8.3 \times 10^{-5} \times x^{3.0307}$

dev.parses.post 435 brackets

dev.trees 474 brackets

matching 400 brackets

precision 0.9195402298850575

recall 0.8438818565400844

F1 0.880088008801