

<11/10>

open review 11/11 3 이메일 보내기.

① 2개의 논문 = 1인당

review 2 papers

② 4개 접수통증

reviewer role.

① make your final recommendation with solid justifications,

② explain clearly the basis of your review and recommendation.

review → ① contribution of report
② brief summary about what authors focused and what is reproduced.

③ typos = 2x

① intellectual laziness (2x)

↳ you should follow common principles in scientific review.

② arrogance, ignorance.

③ less consideration about novelty.

↓
NN architecture: carefully designed.

① How to down sample? # stride? pool?

Alex Net →

발견됨

2022

Neural Architecture Search

↳ dumb strategy = brute-force-search

① list up all design ^{hyper} parameters & determine their range.

② Fully train each network until convergence, and select best-performing one. cheaper evaluation

Search space → strategy

architecture A → performance estimate. performance (of A) estimation strategy.

↳ search strategy 는 A에서 or 여러 A2 select.

Search space (define which architectures can be represented in principles.

② can be reduced in size

↑
prior knowledge

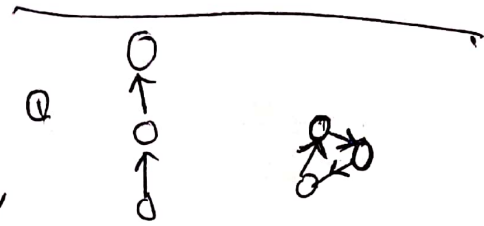
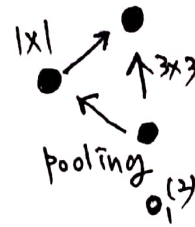
strategy ex) 1) 강과 학습 방법론을 위해 선의 함수를 어떻게
↳ details how to explore the search space.

performance estimation strategy

→ estimate: predictive performance of model.

② ex) too expensive.

ex) train for 't' steps
= performance estimation strategy

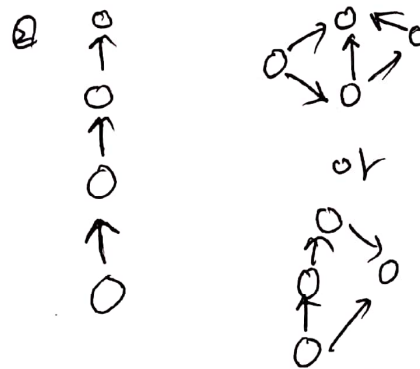


→ Search space

→ View NN as a sequence of layers, ② predict the HP for each layer separately.

first predict type

(predict relevant parameters.



identity → sep 3x3

reduces the search space

→ less effort for research

element-wise add

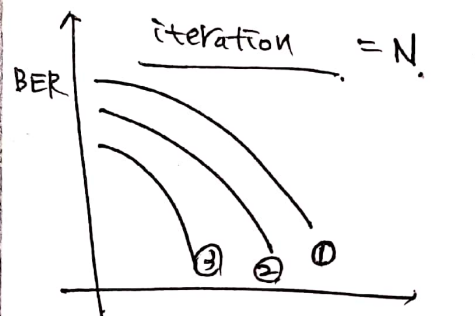
3x3 conv

identity

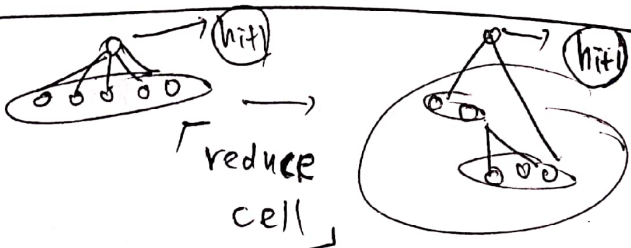
New hidden layer 'C'

hidden layer A

hidden layer B



concrete example



①.

Search strategy

②

recent papers (transformers?)