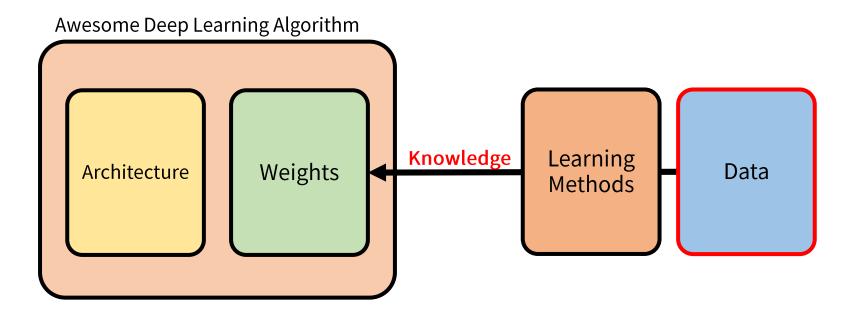


Chapter 04. 자연어처리 (Natural Language Processing)

응용하기 좋은 데이터셋 소개

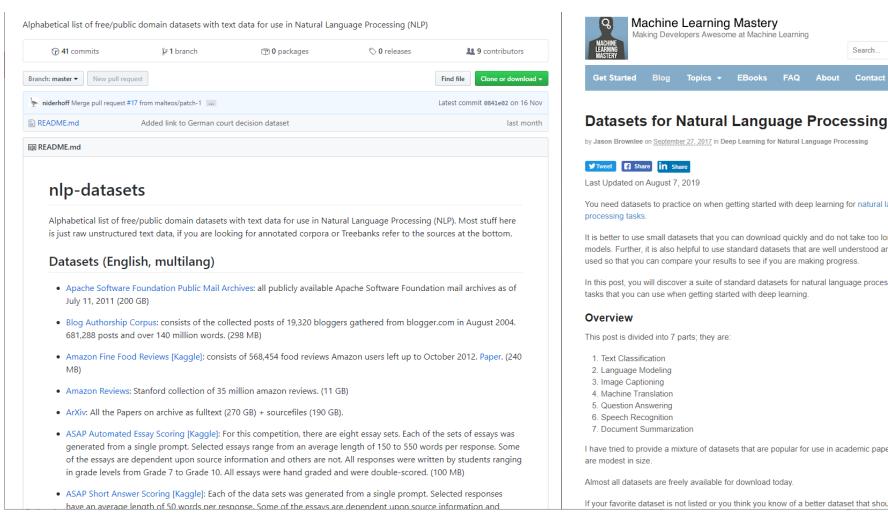
데이터셋의 중요성



아무리 잘 짜여진 딥러닝 알고리즘도, '지식'이 없으면 무용지물이다. 그 '지식'은 데이터셋으로 부터 나온다.



데이터셋 창고



Never miss a tutorial: You need datasets to practice on when getting started with deep learning for natural language It is better to use small datasets that you can download quickly and do not take too long to fit models. Further, it is also helpful to use standard datasets that are well understood and widely Picked for you: used so that you can compare your results to see if you are making progress. How to Develop a Deep Learning Photo In this post, you will discover a suite of standard datasets for natural language processing Caption Generator from Scratch Sequence Classification with LSTM Recurrent Neural Networks in Python with How to Develop a Neural Machine Translation System from Scratch How to Use Word Embedding Layers for Deep Learning with Keras I have tried to provide a mixture of datasets that are popular for use in academic papers that Text Generation With LSTM Recurrent Neural Networks in Python with Keras **Start Machine Learning Tutorials?** If your favorite dataset is not listed or you think you know of a better dataset that should be

Search..

Click to Take the FREE NLP Crash-Course

My name is Jason Brownlee PhD,

and I help developers get results

Q

https://github.com/niderhoff/nlp-datasets

https://machinelearningmastery.com/datasets-natural-language-processing/



CoNLL Shared Task

Home Program 2019 Keynotes 2019 Shared Task Accepted papers SIGNLL **CoNLL** The SIGNLL Conference on Computational Natural Language Learning CoNLL Shared Task 2019: Call for Proposals SIGNLL (ACL's Special Interest Group on Natural Language Learning) invites proposals for the CoNLL Shared Task 2019. Background Since 1999, CoNLL (the Conference on Computational Natural Language Learning) has included a shared task in which training and test data are provided by the organizers, which allows participating systems to be evaluated and compared in a systematic way. Descriptions of the participating systems and an evaluation of their performance are presented both at the conference and in the proceedings. Previous shared tasks Previous shared tasks have been devoted to: Chunking (1999, 2000) · Clause identifications (2001) Named entity recognition (2002, 2003) Semantic role labeling (2004, 2005) Dependency parsing (2006, 2007) Joint parsing of syntactic and semantic dependencies (2008, 2009) Hedge detection (2010) Co-reference resolution (2011, 2012) Grammatical error correction (2013, 2014) Universal morphological reinflection (2017, 2018) Multilingual parsing from raw text to universal dependencies (2017, 2018) Submission guidelines For CoNLL-2019 proposals are invited for any shared task involving natural language learning, including not only natural language processing tasks and applications, but also the modeling of human language learning and processing. In recent years, a number of

https://www.conll.org/2019-shared-task



응용하기 좋은 데이터셋 소가

Stanford Large Movie Review Dataset

Large Movie Review Dataset

This is a dataset for binary sentiment classification containing substantially more data than previous benchmark datasets. We provide a set of 25,000 highly polar movie reviews for training, and 25,000 for testing. There is additional unlabeled data for use as well. Raw text and already processed bag of words formats are provided. See the README file contained in the release for more details.

Large Movie Review Dataset v1.0

When using this dataset, please cite our ACL 2011 paper [bib].

Contact

For comments or questions on the dataset please contact <u>Andrew Maas</u>. As you publish papers using the dataset please notify us so we can post a link on this page.

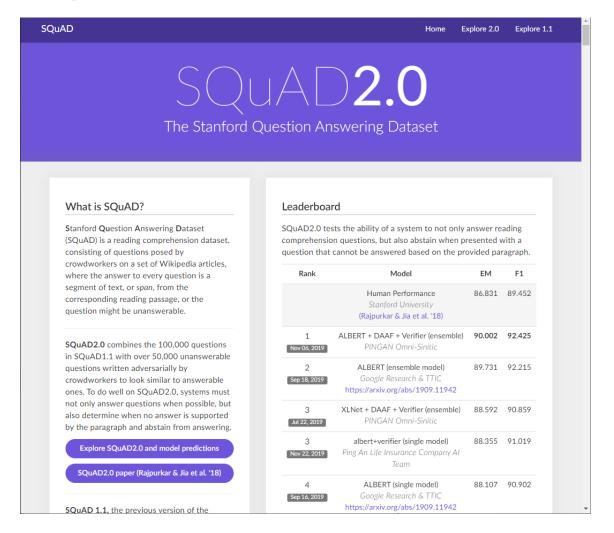
Publications Using the Dataset

Andrew L. Maas, Raymond E. Daly, Peter T. Pham, Dan Huang, Andrew Y. Ng, and Christopher Potts. (2011). <u>Learning Word Vectors for Sentiment Analysis</u>. The 49th Annual Meeting of the Association for Computational Linguistics (ACL 2011).

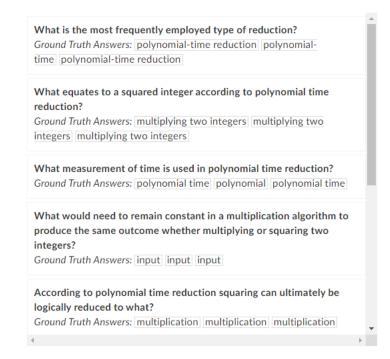
http://ai.stanford.edu/~amaas/data/sentiment/



SQuAD2.0

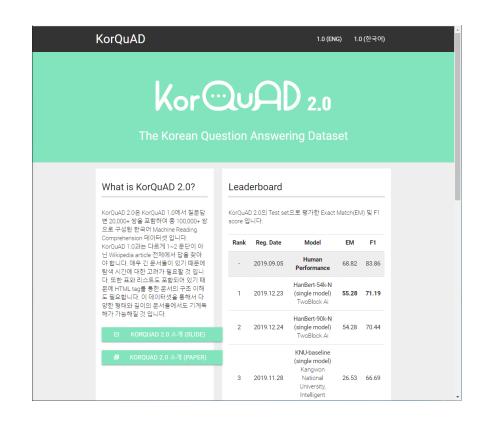


The most commonly used reduction is a polynomial-time reduction. This means that the reduction process takes polynomial time. For example, the problem of squaring an integer can be reduced to the problem of multiplying two integers. This means an algorithm for multiplying two integers can be used to square an integer. Indeed, this can be done by giving the same input to both inputs of the multiplication algorithm. Thus we see that squaring is not more difficult than multiplication, since squaring can be reduced to multiplication.



https://rajpurkar.github.io/SQuAD-explorer/

KorQuAD2.0 (2.1)



데이터 분석

Short 질문 유형

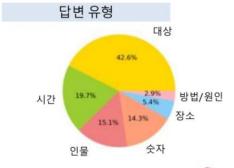
▽ Dev set 350 문항 sampling 분석

구문 변형 (48.0%)	Q. 외국인들을 위해 먹는 샘물이 일시 판매되었던 년도는 언제일까?					
	1988년 서울 매를 허용했던 					
어휘 변형 (15.4%)	Q. 2009년 시즌 도중 경질된 지바 롯데의 감독은?					
	시즌 도중에 바비 밸런타인 감독의 해임 이 발표되 일부 팬들은 '사형'이라는 과격한 표현으로					
여러 문장 종합적 활용 (8.0%)	Q. 'Don't Cha'는 한국 휴대전화 기기 제조사의 휴 대전화 CM송으로도 사용되었는데 그 제조사는 어디 가?					
	첫 싱글 'Don 등의 나라에서 화 기기 제조사	1위에	<u> 또한 이</u>	노래는	· 한국	의 휴
	7 1 1 1 1 1 2 1	311-1-	11 11 11 11			역,
	Q. 득표율 2위				-	
표/리스트				정당 4	-	
표 / 리스트 (27.7%)	Q. 득표율 2위	를 한 사람	함은 어느	정당 4	논속인	가?
	Q, 득표율 2위 후보 제방소 및 카티 주니어	를 한 사람	가변주	정당 4	는속인 # 50.08	가?

Long 질문 유형

▽ Dev set 200 문항 sampling 분석

소제목 중복 (38%)	Q. 피터슨과 노먼 그란츠의 관계는 어떤 과정을 통해 형성되었는가?
	Title. 오스카 피터슨 - #생애 - #노먼 그란츠
소제목 변형 (47%)	Q. 이경직의 가족 관계는 어떻게 이루어져 있는가?
	Title. 이경직 - # 가계
자체 제작 (15%)	Q. 문화재를 보존하기 위해 시행하는 법은 무엇일까?
	Title. 거문오름 용암동굴계 상류동굴군 - #공개 제한





https://korquad.github.io/

Naver Sentiment Movie Corpus

Naver sentiment movie corpus v1.0 This is a movie review dataset in the Korean language. Reviews were scraped from Naver Movies. The dataset construction is based on the method noted in Large movie review dataset from Maas et al., 2011. **Data description** · Each file is consisted of three columns: id , document , label o id: The review id, provieded by Naver o document . The actual review o label: The sentiment class of the review. (0: negative, 1: positive) o Columns are delimited with tabs (i.e., .tsv format; but the file extension is .txt for easy access for novices) 200K reviews in total o ratings.txt: All 200K reviews o ratings test.txt: 50K reviews held out for testing o ratings train.txt: 150K reviews for training Characteristics · All reviews are shorter than 140 characters • Each sentiment class is sampled equally (i.e., random guess yields 50% accuracy) 100K negative reviews (originally reviews of ratings 1-4) 100K positive reviews (originally reviews of ratings 9-10) o Neutral reviews (originally reviews of ratings 5-8) are excluded Quick peek \$ head ratings_train.txt id document label 9976970 아 더빙.. 진짜 짜증나네요 목소리 3819312 흠...포스터보고 초딩영화줄....오버연기조차 가볍지 않구나 10265843 너무재밓었다그래서보는것을추천한다 0 9045019 교도소 이야기구먼 ..솔직히 재미는 없다..평점 조정 6483659 사이몬페그의 익살스런 연기가 돋보였던 영화!스파이더맨에서 늙어보이기만 했던 커스틴 던스트가 너무나도 이뻐보였다. 1 5403919 막 걸음마 뗀 3세부터 초등학교 1학년생인 8살용영화.ㅋㅋㅋ...별반개도 아까움. 7797314 원작의 긴장감을 제대로 살려내지못했다. 0 9443947 별 반개도 아깝다 묙나온다 이용경 일용우 연기생활이몇년인지..정말 발로해도 그것보단 낫겟다 납치.감금만반복반복..이드 7156791 액션이 없는데도 재미 있는 몇안되는 영화 1

https://github.com/e9t/nsmc

