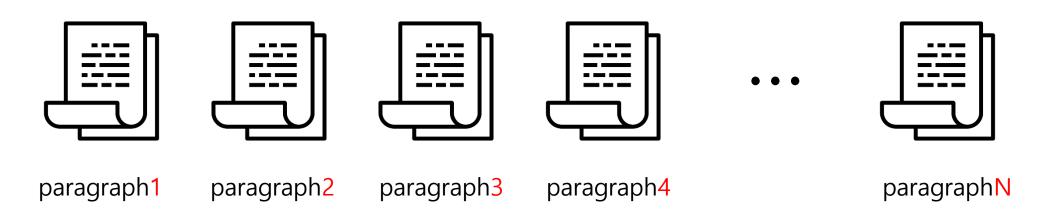
#### Doc2vec

발표자: 박채은(DSL 5기)

#### Doc2vec이란

#### Doc2vec:

Document embedding with paragraph vectors document 임베딩 모델



목표: Paragraph vector 구하기

#### Doc2vec: w2v을 확장해서 만든 모델

Word2vec

: 단어 임베딩 모델

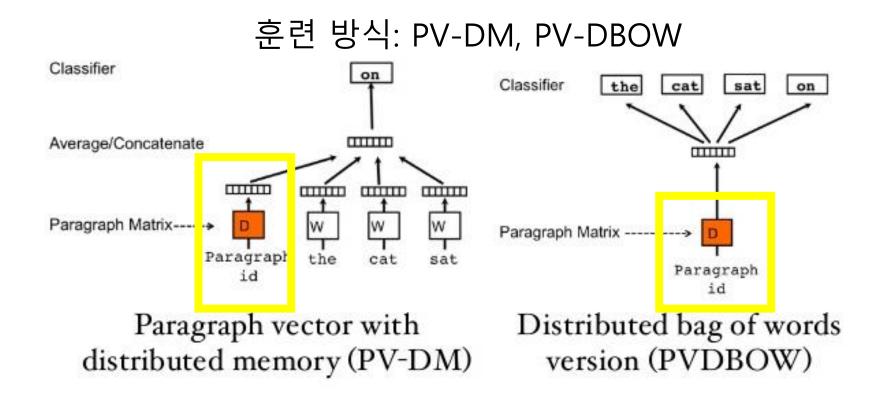
훈련 방식: CBOW, Skip-gram

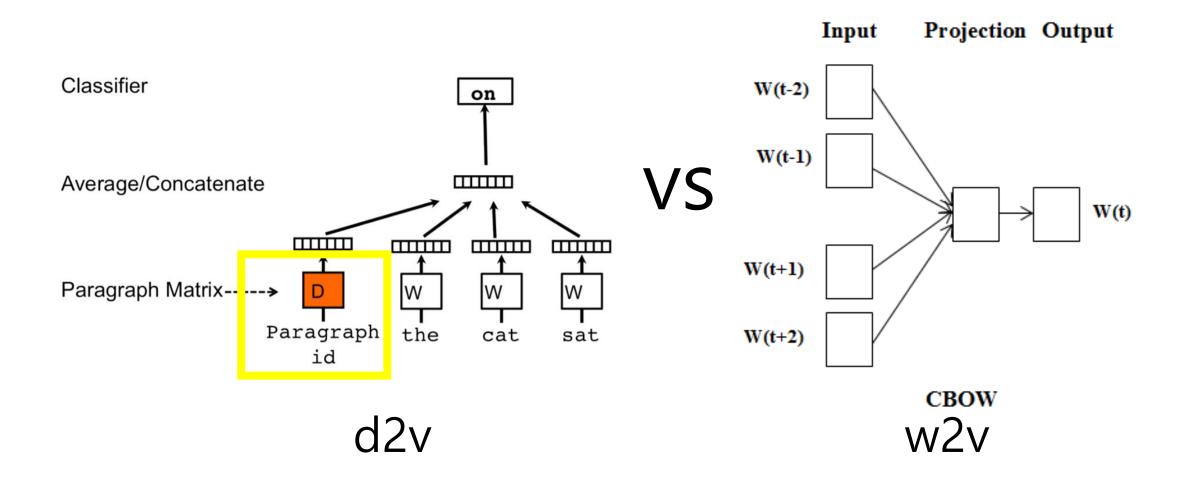


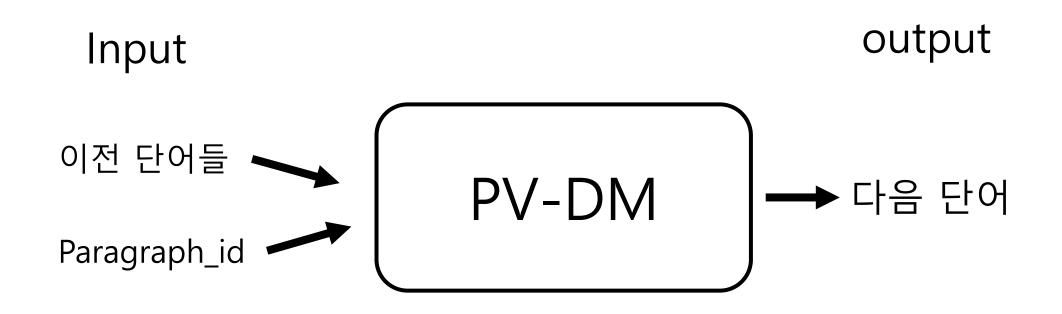
Doc2vec Word2vec의 장점을 그대로 가지게 됨. 훈련방식이 유사

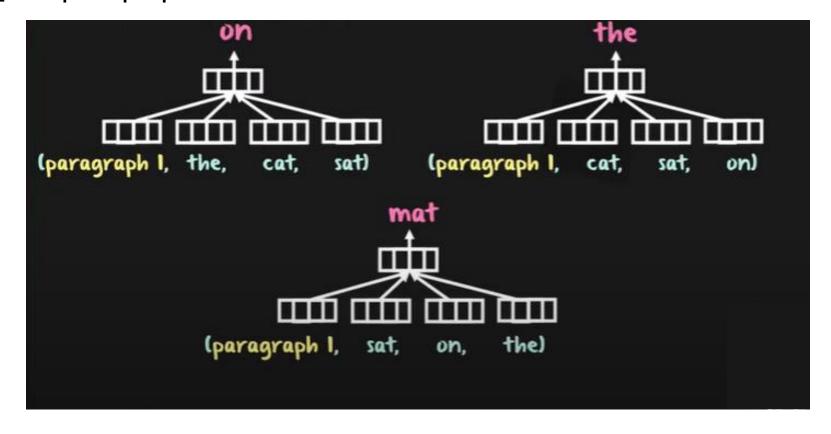
#### Doc2vec: w2v을 확장해서 만든 모델

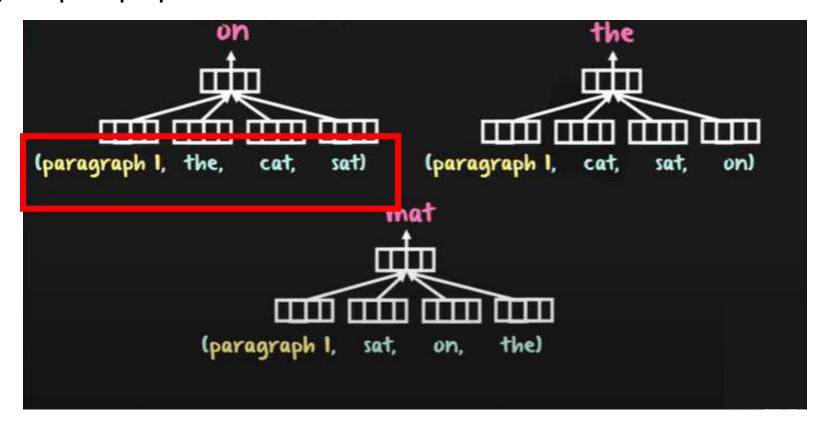
W2v model + 각각의 문서를 나타내는 paragraph\_id -> paragraph vector 얻을 수 있음.

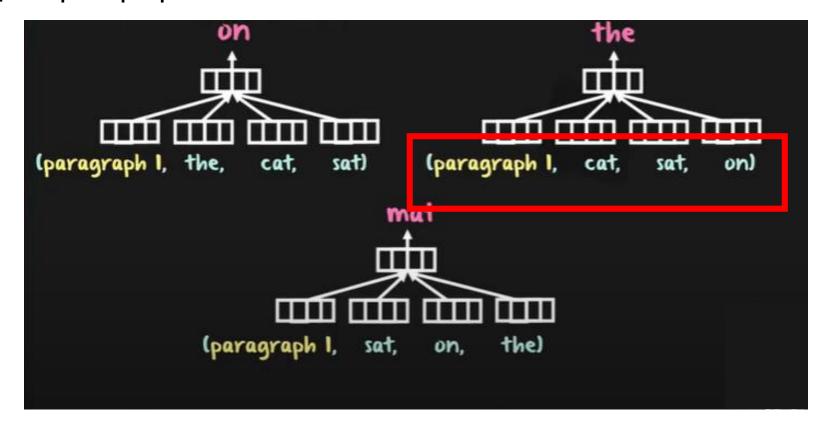


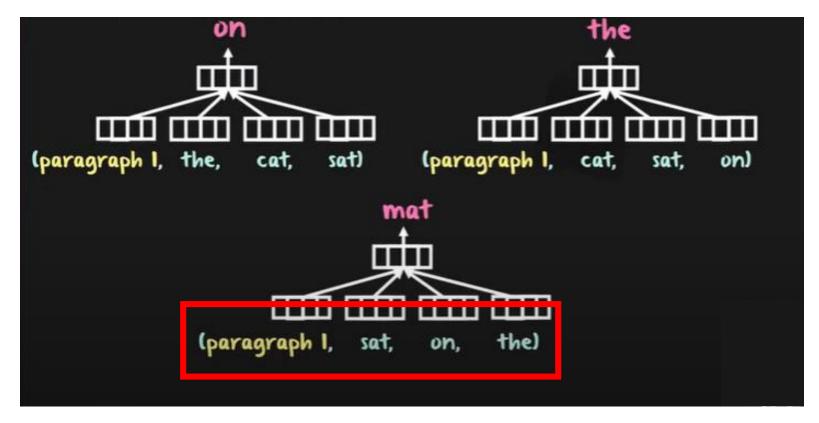






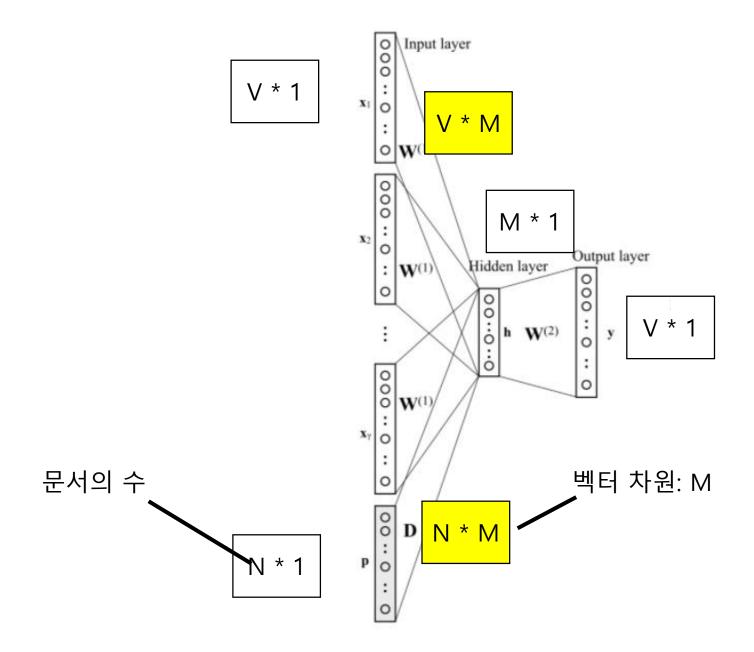




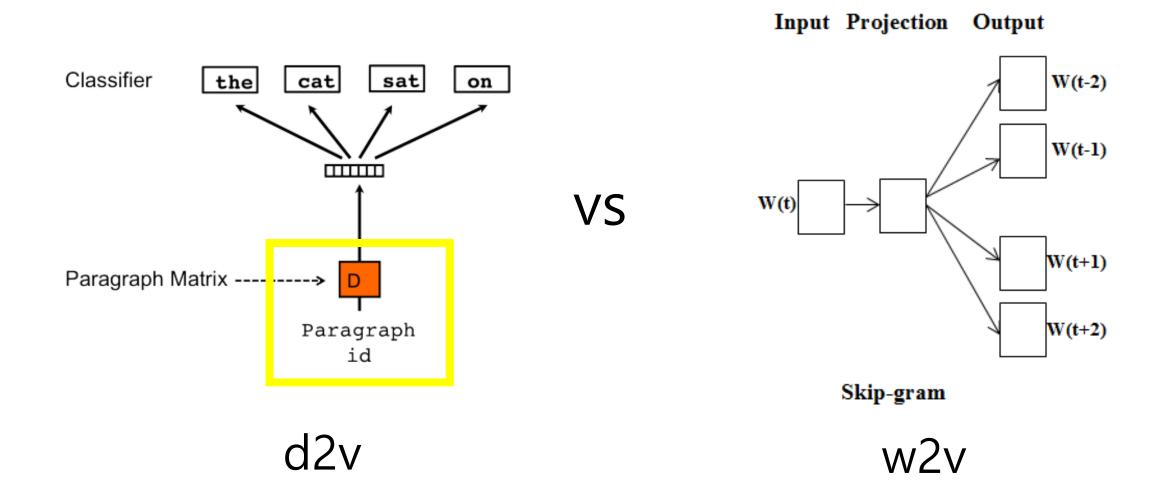


PV-DM이라는 이름이 붙은 이유는?

PV\_DM을 통해 만들어진 벡터가 문서의 주제를 잡아주는 저장소의 역할을 하기 때문에

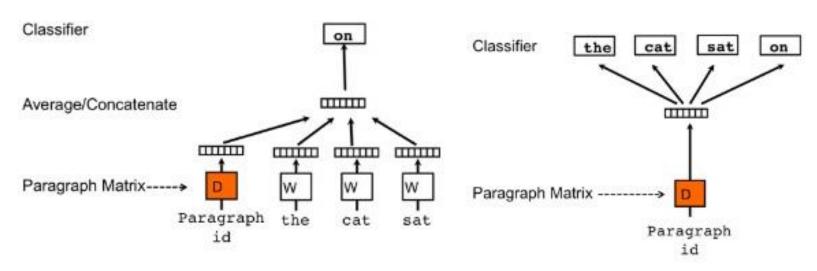


#### PV-DBOW (Paragraph Vector with Distributed Bag Of Words)



#### PV-DM과 PV-DBOW의 차이점

• word vector 생성 여부



Paragraph vector with distributed memory (PV-DM)

Distributed bag of words version (PVDBOW)

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