T5 and Large Language Model timeline

Seg2Seg > Attention+Seg2Seg > Transformer

GPT-1 => BERT

MASS = ROBERTA = XLNET = GIPT-2

BART => MT-DNN => T5 BE NLP task = 写话经有处写 处写的 Text-to-text framework 件名

Pre-training (사건학台)의 대표적인 Objective (XLNET)

- Auto Encoding Anto Regressive

Auto Encoding (AE)

- BEATE Denoising AEZ 是午 处言
- $\overline{X} = [\chi_1, \chi_2, \cdots, \chi_7]$ · Word sequence
- · Corrupted sequence
- · likelihood p(x1x) & TT to p(x4 x)
- · Objective f. Maxo log Po (x12) ≈ It | mt log PB (X+ | x) = $\sum_{t=1}^{T} M_t \log \frac{\exp(H_{\theta}(\hat{x})_t^T e(x_t))}{\exp(H_{\theta}(\Sigma_{x'} exp(H_{\theta}(\hat{x})_t^T e(x')))}$

Auto Regressive (AR)
- 주로 decoder에서 사용, 특징 seas 주이지면 다음 sea를 한 방향을 이름

T5 Model

Pretrain > Finetune > Evaluation

1. text to text

input 라 output o) text 로 건성 text 행해 3 주이긴 문제에서 text 정당찾기

2. Transfer learning

BERT Style (encoder-only) 亡 Classification, Span prediction 馬計
T5(encoder-decoder 72) 亡 BE NLP tosk の以 동일 BEU, loss, hyper param
사용初足 登 작동

- · Enc-only, Dec-only get bosic transformer 727 1245
- · 外部的M noising된 input은 denoising and 단口叫為此 助外》>科基础 (MLM)
- · Domain specific data = tosk or 525/192 data => 1 25000 overfitting of
- · Multitask learning。) 的25新合计 的完全人的告
- · 殊 35% 是 咖啡 游
- · \$24的亲格

3. Training obj. - Modified MLM

MLME bidilectional model 72

BERTE SHIEL tokenor masking sizion Tot one to your party last week.

Input! Thank you (X) me to your party (Y) week.

target: (X) for inviting (Y) last (Z) inputo114 masking 5121 含实豆 节起之 头可至 (MASSET-914)
Outpute FFNN + Softman Son Sequence 성성