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Freelb: Enhanced **adversarial** training for natural language understanding

[\[PDF\] arxiv.org](#)[C Zhu, Y Cheng, Z Gan, S Sun, T Goldstein...](#) - arXiv preprint arXiv ..., 2019 - arxiv.org

... Our work explores how to efficiently use the gradients obtained in **adversarial** training to boost the performance of state-of-the-art **transformer**-based models ... $\alpha \mid + 1\}$. 4<https://github.com/huggingface/pytorch-transformers> 5<https://github.com/pytorch/fairseq> ...

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Quantifying perceptual distortion of **adversarial examples**

[\[PDF\] arxiv.org](#)[M Jordan, N Manoj, S Goel, AG Dimakis](#) - arXiv preprint arXiv:1902.08265, 2019 - arxiv.org

... framework (Paszke et al., 2017) and is intended to be a **PyTorch** equivalent to ... considered; however when the parameterization of transformations includes a spatial **transformer**, the **adversary** is ... In this paper, we aim to generate **adversarial examples** of minimal distortion under a ...

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Dialogpt: Large-scale generative pre-training for conversational response generation

[\[PDF\] arxiv.org](#)[Y Zhang, S Sun, M Galley, YC Chen, C Brockett...](#) - arXiv preprint arXiv ..., 2019 - arxiv.org

... Our implementation is based on the open-source **PyTorch-transformer** repository.3 ... We hypothesize that **transformers** can become trapped in local optima due to their strong ... PersonalityChat datasets to provide clear-cut cases for spam prevention and judge training ...

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