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> Abstract:Large language models, which are often trained for hundreds of

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- > few-shot learning. Given their computational cost, these models are
- > difficult to replicate without significant capital. For the few that are
- > available through APIs, no access is granted to the full model weights,
- > making them difficult to study. We present Open Pre-trained Transformers
- > (OPT), a suite of decoder-only pre-trained transformers ranging from 125M to
- > 175B parameters, which we aim to fully and responsibly share with interested
- > researchers. We show that OPT-175B is comparable to GPT-3, while requiring
- > only 1/7th the carbon footprint to develop. We are also releasing our
- > logbook detailing the infrastructure challenges we faced, along with code
- > for experimenting with all of the released models.

Subjects: | Computation and Language (cs.CL); Machine Learning (cs.LG)

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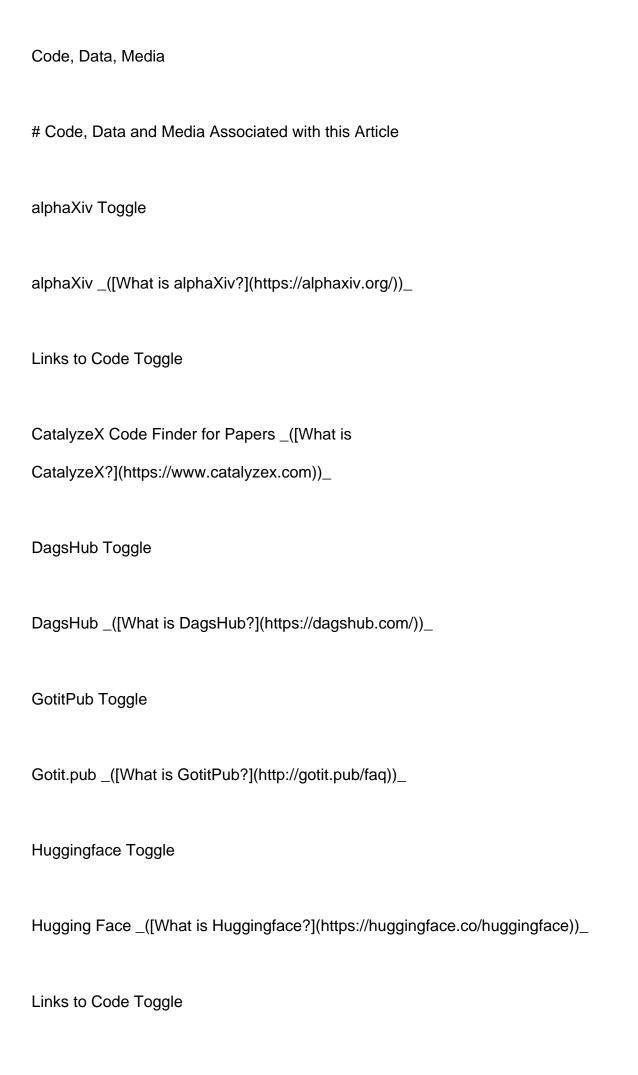
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