Copyleft rules will be able to alleviate reproducibility crisis in AI

Yoshiyasu Takefuji

Matthew Hutson reported reproducibility crisis in AI (1). Many of deep learning frameworks (software) are open source so that AI developers must understand open source license rules (2). Open source licenses fall into two types: permissive (BSD, MIT, and Apache) and copyleft (GPL, LGPL, and so on) (3). Most companies have no legal concerns over using software under permissive licenses (3). Complying with copyleft licenses takes more care, however, and may be inconsistent with certain plans for keeping software proprietary (3). Rules of copyleft basically require complying with source disclosure obligations (4). More copyleft, reproducibility crisis in AI will be more reduced.

References:

1. Matthew Hutson, "Artificial intelligence faces reproducibility crisis," Science 16 Feb 2018: Vol. 359, Issue 6377, pp. 725-726

2. Comparison of deep learning software

https://en.wikipedia.org/wiki/Comparison_of_deep_learning_software

3. Heather Meeker, "9 open source license management rules for startups," 28 Sep 2017 https://opensource.com/article/17/9/9-open-source-software-rules-startups

4. Edward J. Naughton, "Complying with Source-Disclosure Obligations,"

http://apps.americanbar.org/litigation/committees/intellectual/articles/fall2011-complying-source-disclosure-obligations.html