

Introduction to the Community Data License Agreement

Nick Acosta, IBM

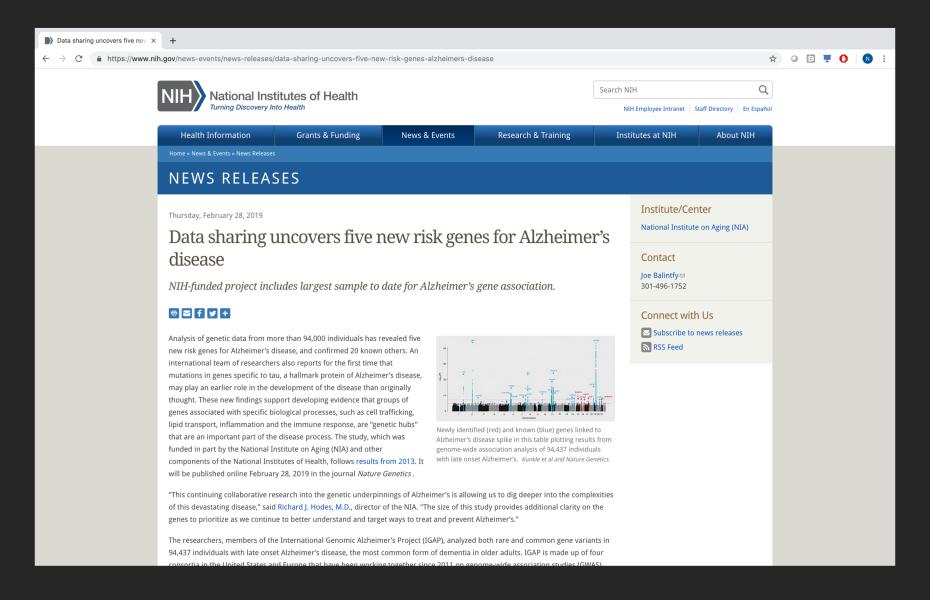


Introduction

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Why Open Source Data



The National Institute on Aging Genetics of Alzheimer's Disease Data Storage

AGADS DATA REQUEST DOCUMENTS		
DOCUMENT NAME	UPLOAD DATE	
Data Distribution Agreement	2018-10-29	
NIAGADS Application Instructions	2016-09-09	
NIAGADS Renewal Instructions	2016-09-09	
NIAGADS Data Use Certification	2015-04-16	
NIH Biosketch Sample	2015-04-16	
Research Use Statement Template	2016-09-09	
Supplemental Information	2016-09-09	
NIA AD Genomic Data Sharing Policy	2015-03-02	
Sample Language Data Return to NIAGADS	2015-03-02	

Data
Not protected by copyright

Data

Not protected by copyright Patents do not apply to data

Data

Not protected by copyright Patents do not apply to data Value in analysis

Data

Not protected by copyright Patents do not apply to data Value in analysis

Code

Protected by copyright
Standard patent process
Value is intrinsic

Two model agreements, introduced and sponsored by the Linux Foundation

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October 23, 2017

Modeled after leading open source agreements

Licenses that reflect the nuances of data

Designed for use by independent data communities

CDLA promotes free exchange of data

CDLA promotes free exchange of data

Permits data to be freely used, modified, and republished

Authorship and source attribution statements must be preserved

No use restrictions permitted

Broader license coverage than mere copyright

Explicit permissions to create separate works and analyses of licensed data

Computational Use

Both CDLA licenses provide the right to Computational Use

Computational Use

Both CDLA licenses provide the right to Computational Use

Analyze data and create analytical works based upon it
Analytical works do not need to be relicensed under the terms of the CDLA
Minimal reps and no warranties
Broad Limitation of Liability

No prohibition on commercial use of data

CDLA Versions

Versions

Sharing

Permissive

Versions

Sharing

Republished data must be licensed under CDLA Sharing

Permissive

Data may be republished under any terms not inconsistent with the License

Versions

Sharing

Republished data must be licensed under CDLA Sharing

Includes:

Data Modifications to data received Data Additions to data received

Excludes:

The results of any analysis

Permissive

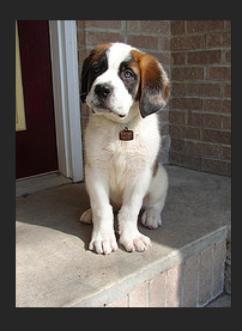
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IBM Developer December 2nd, 2018 / O 2018 IBM Corporn 2















CDLA - Sharing



CDLA - Sharing











CDLA - Permissive











Example, pt. 1

Deep Learning Developers Dataset

Deep Learning Frameworks

Allow for "easy" construction of neural networks

Deep Learning Frameworks

Allow for "easy" construction of neural networks

Abstract away lowest level detail

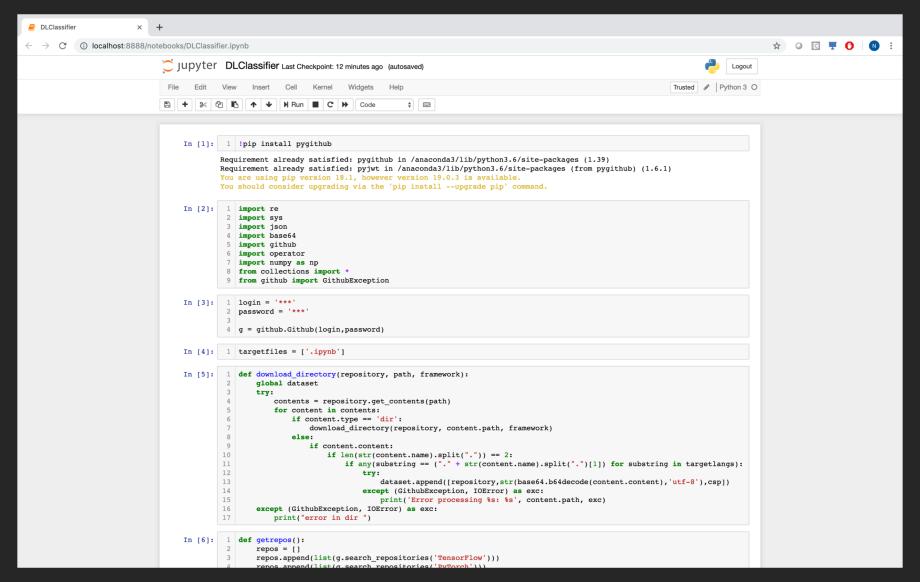
Standardize commonly used neural network concepts, from components to models

Provide tooling for deployment on various hardware configurations, including GPUs

Deep Learning Frameworks



Python Notebooks



Notebook Licensing

Licenses vary widely among notebooks posted to GitHub

located in a separate file or repo referenced in the notebook no, ambiguous or default license (Cloud Platform) notebooks with one license referencing information with differing license

Example, pt. 2

Double Pendulum Chaotic Dataset

Double Pendulum Chaotic Dataset



Learning beyond simulated physics

NIPS 2018 Spatiotemporal Workshop

Used to showcase MI – Prometheus Framework
Promotes reproducibility in Machine Learning Research

The End

Interested in data sharing?

Thank You

Nick Acosta Developer Advocate

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