

References of the sources used for the metasummaries –

Appendix 2 to *Narratives of Epistemic Agency in Citizen Science Classification Projects: Ideals of Science and Roles of Citizens*.

Submitted to *AI & Society*.

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Mindcontrol

Is the application active? N/A

Journal Articles:

Keshavan, A., Yeatman, J.D. and Rokem, A. 2019. Combining citizen science and deep learning to amplify expertise in neuroimaging. *Frontiers in Neuroinformatics*. **13**, pp.29. DOI: 10.3389/fninf.2019.00029.

Esteban, O., Blair, R.W., Nielson, D.M. et al. 2019. Crowdsourced MRI quality metrics and expert quality annotations for training of humans and machines. *Scientific Data*. **6** (article number 30). <https://doi.org/10.1038/s41597-019-0035-4>

Wiggins, A. and Wilbanks, J. 2019. The rise of citizen science in health and biomedical research. *The American Journal of Bioethics* .**19**(8), pp. 3-14. <https://doi.org/10.1080/15265161.2019.1619859>

Keshavan, A., Datta, E., McDonough, I M., Madan, C.R., Jordan, K. and Henry, R.G. 2018. Mindcontrol: A web application for brain segmentation quality control. *Neuroimage*. **170**, pp. 365-372. DOI: 10.1016/j.neuroimage.2017.03.055

Keshavan, A., Madan, C.R., Datta, E. and McDonough, I.A. 2017. Mindcontrol: Organize, quality control, annotate, edit, and collaborate on neuroimaging processing results. *Research Ideas and Outcomes*. **3**:e12276. <https://doi.org/10.3897/rio.3.e12276>

A Shared Space and A Space for Sharing

Is the application active? N/A

Journal Articles:

Gupta, P., Kaushik, B., and Sunanda. 2020. Suicidal tendency on social media by using text mining. In: Singh, P., Sood, S., Kumar, Y., Paprzycki, M., Pljonkin, A., and Hong, W.C. eds. *Futuristic trends in networks and computing technologies*. FTNCT 2019. Communications in Computer and Information Science, vol 1206. Singapore: Springer. pp 256-263. DOI: https://doi.org/10.1007/978-981-15-4451-4_20

Fahey, R.A, Matsubayashi, T., and Ueda, M. 2018. Tracking the Werther Effect on social media: Emotional responses to prominent suicide deaths on twitter and subsequent increases in suicide. *Soc Sci Med.* **219**, pp. 19-29. DOI:10.1016/j.socscimed.2018.10.004

Karamshuk, D, Shaw, F, Brownlie, J ad Sastry, N. 2017. Bridging big data and qualitative methods in the social sciences: A case study of Twitter responses to high profile deaths by suicide. *Online Social Networks and Media.* 1, pp. 33-43. <https://www.sciencedirect.com/science/article/pii/S2468696416300076>

Ueda, M., Mori, K., Matsubayashi, T., and Sawada, Y. 2017. Tweeting celebrity suicides: Users' reaction to prominent suicide deaths on Twitter and subsequent increases in actual suicides. *Soc Sci Med.* **189**, pp. 58-166. DOI: 10.1016/j.socscimed.2017.06.032

MAIA-Machine learning Assisted Image Annotation

Is the application active? N/A

Journal Articles:

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SnapshotSerengeti.org

Is the application active? Yes

Journal Articles:

Spiers, H., Swanson, A., Fortson, L., Simmons, B. D., Trouille, L., Blickhan, S., and Lintott, C. 2019. Everyone counts? Design considerations in online citizen science. *JCOM.* **18**(01), A04. DOI: <https://doi.org/10.22323/2.18010204>.

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Yousif, H., Yuan, J., Kays, R., and He, Z. 2019. Animal scanner: software for classifying humans, animals, and empty frames in camera trap images. *Ecol Evol.* **9**, pp. 1578–1589. <https://doi.org/10.1002/ece3.4747>

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Other publications:

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Observation.org

Is the application active? Yes

Journal Articles:

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Schermer, M and Hogeweg, L. 2018. Supporting citizen scientists with automatic species identification using deep learning image recognition models. *Biodiversity Information Science and Standards*. 2: e25268. <https://doi.org/10.3897/biss.2.25268>

Troudet, J., Grandcolas, P., Blin, A. *et al.* 2017. Taxonomic bias in biodiversity data and societal preferences. *Sci Rep*. **7**, 9132. DOI: <https://doi.org/10.1038/s41598-017-09084-6>.

PlantSnap

Is the application active? Yes

Journal Articles:

Other publications:

Steemit. 2018. *PlantSnap - Uses AI and machine-learning algorithm to identify plants*. [Online]. [Accessed 6 June 2020]. Available from: <https://steemit.com/steemhunt/@autofreak/plantsnap-uses-ai-and-machine-learning-algorithm-to-identify-plants>

Startengine.n.d. *PlantSnap reconnects people with the world around them*. [Online]. [Accessed 6 June 2020]. Available from: https://www.startengine.com/plantsnap-inc?utm_source=ct&utm_medium=website&utm_campaign=interstitial

iNaturalist.org

Is the application active? Yes

Journal Articles:

Van Horn, G. *et al.* 2018. The iNaturalist species classification and detection dataset. In: *Proceedings of the 2018 IEEE/CVF Conference on Computer Vision and Pattern Recognition*. Salt Lake City, UT. pp. 8769-8778. DOI: 10.1109/CVPR.2018.00914.

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Milky Way

Is the application active? N/A

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Human Protein Atlas

Is the application active? Yes

Journal Articles:

Sullivan, D., Winsnes, C., Åkesson, L. *et al.* 2018. Deep learning is combined with massive-scale citizen science to improve large-scale image classification. *Nat Biotechnol.* **36**, 820–828 (2018). DOI: <https://doi.org/10.1038/nbt.4225>

Microbiology Virus Spot

Is the application active? Yes

Journal Articles:

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Galaxy Zoo AI

Is the application active? Yes

Journal Articles:

Khan, A. *et al.* 2019. Deep learning at scale for the construction of galaxy catalogs in the Dark Energy Survey. *Physics Letters B*, 795: 248-258. DOI:

<https://doi.org/10.1016/j.physletb.2019.06.009>

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Other publications:

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Peckham, O. 2019. *Scientists leverage HPC and AI to wrangle the Galaxy Zoo*. [Online]. [Accessed 19 June 2020]. Available from: <https://www.hpcwire.com/2019/07/08/scientists-leverage-hpc-and-ai-to-wrangle-the-galaxy-zoo/>

Multiple Sclerosis

Is the application active? N/A

Journal Articles:

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