LINKS :

**1. HAM10000 dataset (Tschandl, Rosendahl & Kittler, 2018)**

* Described in *Scientific Data* and publicly available through the ISIC Archive. [arXiv+1](https://arxiv.org/abs/1803.10417?utm_source=chatgpt.com)
* Download links via the Harvard Dataverse page:
  + **HAM10000\_images\_part1.zip** and **HAM10000\_images\_part2.zip** (total ≈ 10,015 JPEG images)
  + Plus the test-set files: *ISIC2018\_Task3\_Test\_Images.zip* and *ISIC2018\_Task3\_Test\_GroundTruth.csv* [dataverse.harvard.edu](https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi%3A10.7910%2FDVN%2FDBW86T&version=4.0&utm_source=chatgpt.com)
* Tools repository (GitHub): ptschandl/HAM10000\_dataset – includes scripts for extraction, filtering, standardizing, segmentation workflows, etc. [GitHub](https://github.com/ptschandl/HAM10000_dataset?utm_source=chatgpt.com)

DATA SETS :

<https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi%3A10.7910%2FDVN%2FDBW86T&version=4.0&utm_source=chatgpt.com>

<https://arxiv.org/abs/1803.10417?utm_source=chatgpt.com>

<https://github.com/ptschandl/HAM10000_dataset?utm_source=chatgpt.com>

**Esteva et al. (2017) — Dermatologist‑level classification of skin cancer with deep neural networks**

 Published in *Nature* (2017), the study used a large dataset of 129,450 clinical images from various sources, including:

* **ISIC Dermoscopic Archive**
* **Edinburgh Dermofit Library**
* **Stanford Hospital clinical datasets** [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC8382232/?utm_source=chatgpt.com)[PubMed](https://pubmed.ncbi.nlm.nih.gov/28117445/?utm_source=chatgpt.com)

 **ISIC Archive**: primary source for dermoscopic images → visit: isic-archive.com [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC8382232/?utm_source=chatgpt.com)

 **Edinburgh Dermofit Library**: Access restricted; licensing info: licensing.eri.ed.ac.uk/i/software/dermofit-image-library.html [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC8382232/?utm_source=chatgpt.com)

 **Stanford clinical data**: not publicly released; may require direct author contact [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC8382232/?utm_source=chatgpt.com)

**3. Other online resources, datasets, and libraries commonly used**

Here are some widely used skin lesion datasets and resources in dermatological AI research:

* **ISIC Challenge datasets (2016–2020)**: Available directly through the ISIC Archive — includes training, validation, test images and associated masks or labels. [challenge.isic-archive.com](https://challenge.isic-archive.com/data/?utm_source=chatgpt.com)
* **BCN20000 dataset** (Barcelona Clinic): ~19,424 dermoscopic images used in ISIC Challenge 2019. [arXiv](https://arxiv.org/abs/1908.02288?utm_source=chatgpt.com)[MDPI](https://www.mdpi.com/2075-4418/13/11/1911?utm_source=chatgpt.com)
* **PH² dataset**: 200 dermoscopic images with segmentation masks and clinical annotations. [MDPI](https://www.mdpi.com/2075-4418/13/11/1911?utm_source=chatgpt.com)[PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC9327733/?utm_source=chatgpt.com)
* **MED‑NODE dataset**: 170 clinical images (melanoma vs nevi) from University Medical Center Groningen. [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC9327733/?utm_source=chatgpt.com)
* **Derm7pt dataset**: Around 2,000 clinical and dermoscopy images with structured metadata for “7‑point checklist” CAD systems. [PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC9327733/?utm_source=chatgpt.com)
* **PAD‑UFES‑20**: Brazilian dataset (~1,641 skin cancer images, plus benign lesion categories). [MDPI](https://www.mdpi.com/2075-4418/13/11/1911?utm_source=chatgpt.com)
* **Atlas of Dermoscopy**: Contains images of AK, BCC, nevi, melanoma, keratoses, vascular lesions, etc. [MDPI](https://www.mdpi.com/2075-4418/13/11/1911?utm_source=chatgpt.com)[PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC9327733/?utm_source=chatgpt.com)
* **Dermofit**: ~1300 images across ten melanoma-related classes. [MDPI](https://www.mdpi.com/2075-4418/13/11/1911?utm_source=chatgpt.com)[PMC](https://pmc.ncbi.nlm.nih.gov/articles/PMC9327733/?utm_source=chatgpt.com)