NeurIPS Papers

Prepared For,

SDAIA CAMP

Prepared By,

Arwa Essa

Table of Contents

Abstract

01

We work with the NeurIPS Papers dataset, extracting the data and converting it into a visual graphic

NIPS is a genetic test that screens for common genetic conditions

Clean data

extract

visual

» In the following sections is paper file :

	source_id	year	title	abstract	full_text
0	27	1987	Bit-Serial Neural Networks	no abstract	573 BIT - SERIAL NEURAL NETWORKS Alan F. Mur...
1	63	1987	Connectivity Versus Entropy	no abstract	1 CONNECTIVITY VERSUS ENTROPY Yaser S. Abu-M...
2	60	1987	The Hopfield Model with Multi-Level Neurons	no abstract	278 THE HOPFIELD MODEL WITH MULTI-LEVEL NEURO...
3	59	1987	How Neural Nets Work	no abstract	442 Alan Lapedes Robert Farber Theoretical D...
4	69	1987	Spatial Organization of Neural Networks: A Pro...	no abstract	740 SPATIAL ORGANIZATION OF NEURAL NEn~ORK...
...	...	...	...	...	...
9675	5452	2019	Discrete Object Generation with Reversible Ind...	The success of generative modeling in continuo...	Discrete Object Generationwith Reversible Indu...
9676	4799	2019	Adaptively Aligned Image Captioning via Adapti...	Recent neural models for image captioning usua...	Adaptively Aligned Image Captioning viaAdaptiv...
9677	1827	2019	Fully Dynamic Consistent Facility Location	We consider classic clustering problems in ful...	Fully Dynamic Consistent Facility LocationVinc...
9678	8683	2019	Efficient Rematerialization for Deep Networks	When training complex neural networks, memory ...	Efficient Rematerialization for Deep NetworksRa...
9679	2302	2019	Flow-based Image-to-Image Translation with Fea...	Learning non-deterministic dynamics and intrin...	Flow-based Image-to-Image Translationwith Feat...

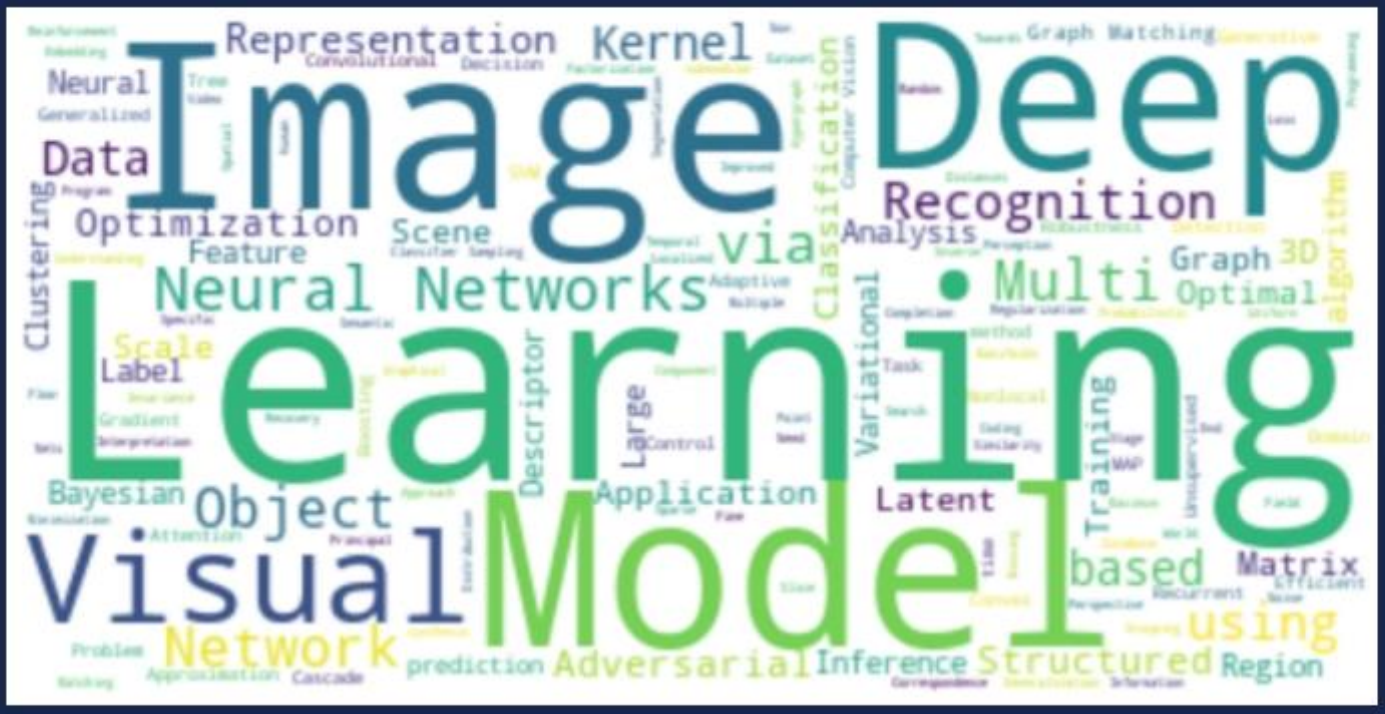
9680 rows × 5 columns

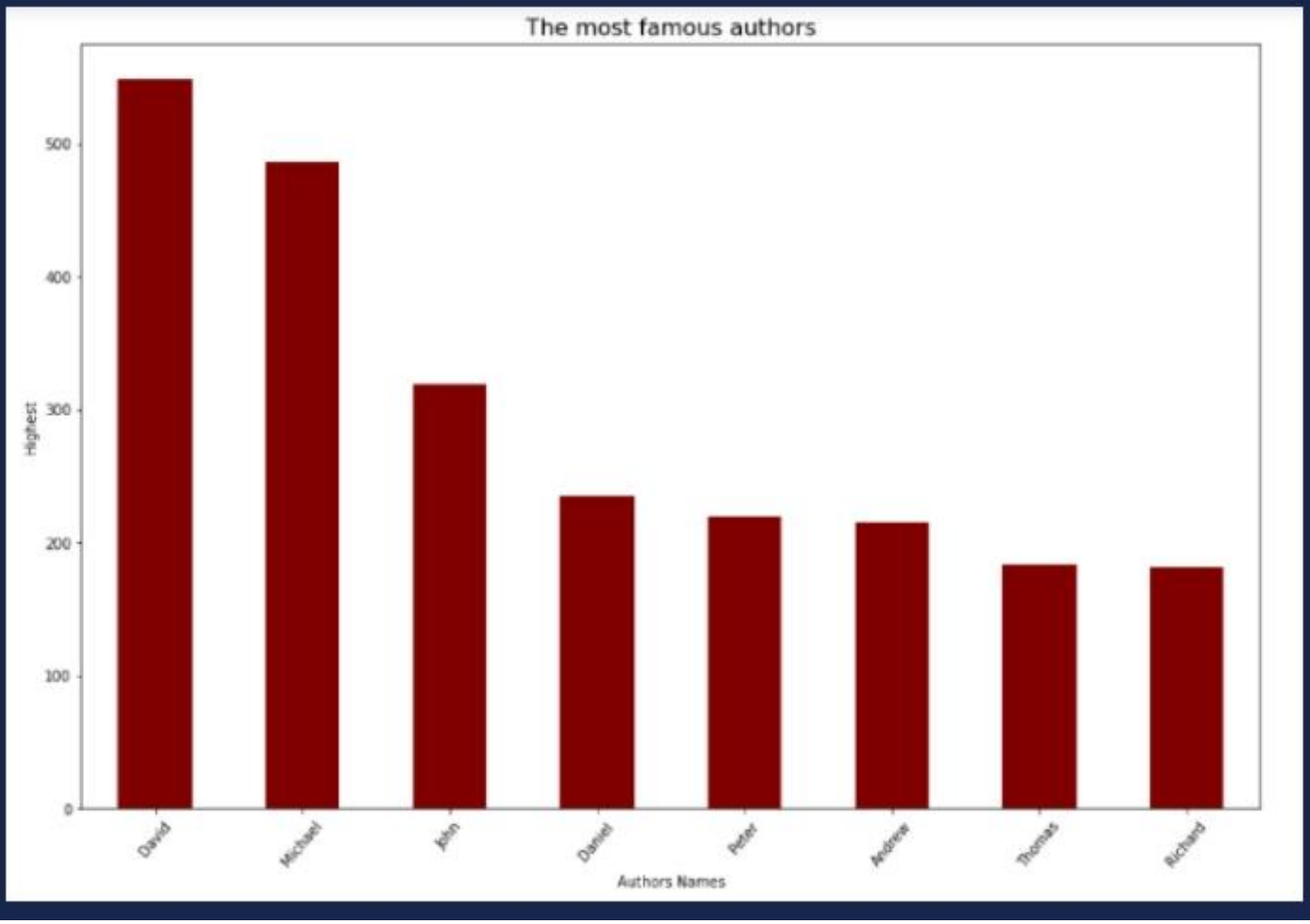
» The following sections is authers file:

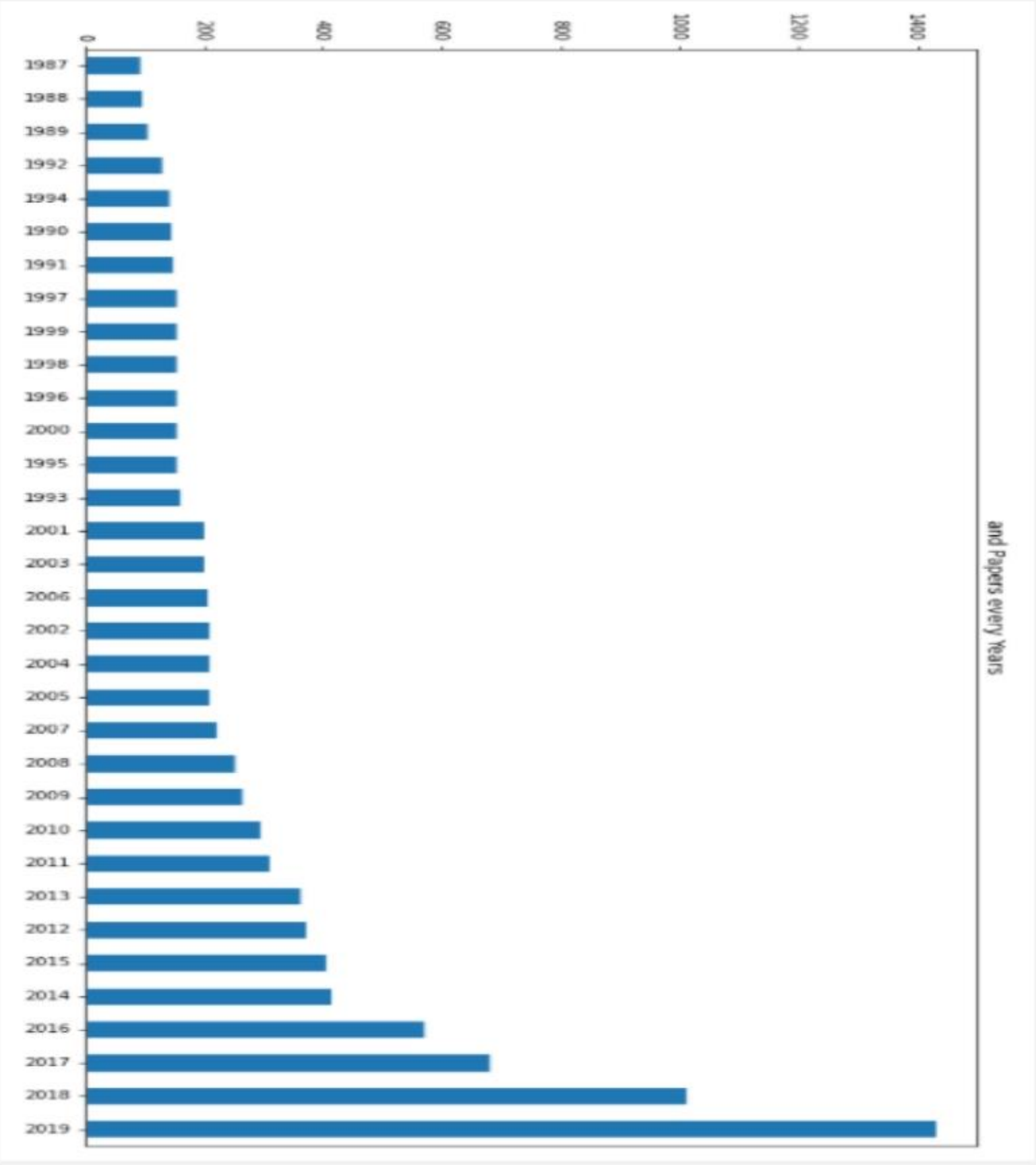
	source_id	first_name	last_name	institution
0	27	Alan	Murray	No institution
1	27	Anthony	Smith	No institution
2	27	Zoe	Butler	No institution
3	63	Yaser	Abu-Mostafa	No institution
4	60	Michael	Fleisher	No institution
...	...	...	...	...
30232	8693	Joshua	Wang	Google
30233	2302	Ruho	Kondo	Toyota Central R&D Labs., Inc.
30234	2302	Keisuke	Kawano	Toyota Central R&D Labs., Inc
30235	2302	Satoshi	Koide	Toyota Central R&D Labs.
30236	2302	Takuro	Kutsuna	Toyota Central R&D Labs. Inc.

30237 rows × 4 columns

In the following sections, we have highlighted the names of NIPS related computer vision papers






0
200
400
600
800
1000
1200
1400
1987
1988
1989
1992
1994
1990
1991
1997
1999
1998
1996
2000
1995
1993
2001
2003
2006
2002
2004
2005
2007
2008
2009
2010
2011
2013
2012
2015
2014
2016
2017
2018
2019
and Papers every Years


Michael
John
Daniel
Peter
David
Andrew
Richard
Thomas

TOOL

Pandas : Easy handling of missing data Powerful, flexible group by functionality

Numpy : is the foundation on which all higher-level tools used by Data Scientists .

matplotlib.pyplot : module contains functions that allow you to generate many kinds of plots quickly.

Math and from scipy use stats : The stats module in the SciPy Package offers many Statistical functions

jupyter python GitHub