

Creating a Global Community of Women in Machine Learning and Data Science



March 2018

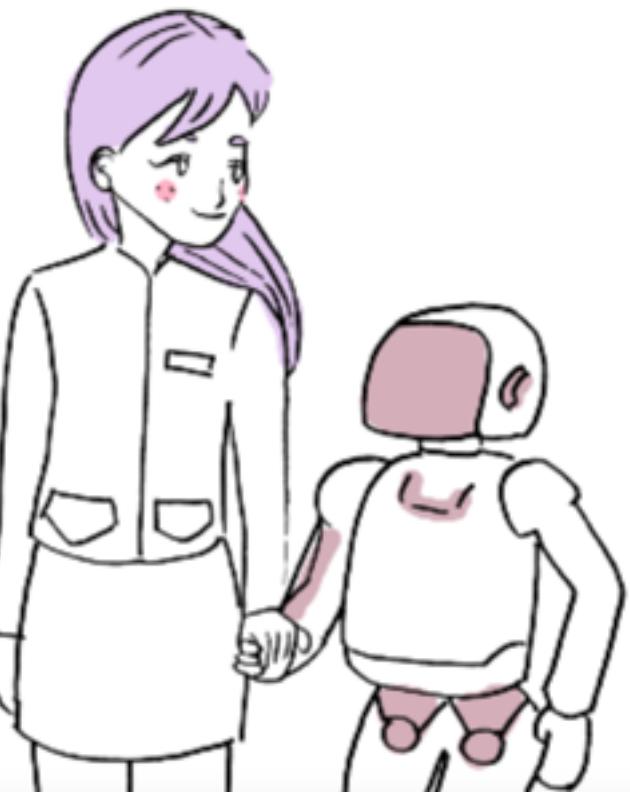
Erin LeDell @ledell
Founder, WiMLDS

Agenda

- Introduction
- WiMLDS Overview
- History of WiMLDS
- WiMLDS Resources

Introduction

- Chief Machine Learning Scientist at H2O.ai, in Mountain View, California, USA
- Ph.D. in Biostatistics from University of California, Berkeley (focus on Machine Learning)
- Founder of WiMLDS & co-organizer Bay Area WiMLDS
- Leadership Team at R-Ladies



WiMLDS Overview

WiMLDS Overview



WiMLDS Motivation

WiMLDS is an international organization for women interested in Machine Learning and Data Science.

We host local events where we discuss machine learning and data science in an informal setting with the purpose of building a community around women in these fields.

Current Chapters

- New York City, New York, USA
- Bay Area, California, USA
- North Carolina, USA
- Chicago, Illinois, USA
- Boulder, Colorado, USA
- Austin, Texas, USA
- Metro Detroit, Michigan, USA
- Corpus Christi, Texas, USA
- Burlington, Vermont, USA
- Nairobi, Kenya
- Zurich, Switzerland
- Lagos, Nigeria
- Delhi, India
- Paris, France
- Abuja, Nigeria



WiM LDS History

WiMLDS History

- Email list of Bay Area women in ML (10 women)
- Attended WiML Workshop at NIPS in 2012 & 2013
- After inspiration from WiML Workshop, created Bay Area WiMLDS on [meetup.com](#) in 2013
- NYC WiMLDS was founded in 2014
- WiMLDS Board (Bay Area + NYC leaders)
- WiMLDS expands to other chapters...

WiML Workshop

- 2005: Hanna Wallach, Jennifer Wortman Vaughan, Lisa Wainer and Angela Yu shared a room at NIPS
- 2006: First WiML Workshop at Grace Hopper had 100 participants
- 2008: WiML Workshop co-located with NIPS

History of WiML Workshop:
http://ajbc.io/misc/WiML_history.pdf



Directory of Women in ML

Women in Machine Learning Directory : Public Directory			
Name	Position	Affiliation	Keywords
A MANI	Researcher	1. University of Calcutta, 2	Algebra, Logic, Rough Sets, Soft Computing, AI, FOM, Mereology
Aakanksha Bapna	Masters Student	IIIT Bangalore	Bayesian Networks, Automated Interior Designing
Aarti Bagul	Undergraduate	NYU	
Aarti Singh	Faculty	Carnegie Mellon University	machine learning, interactive learning
Aasa Feragen	Faculty	University of Copenhagen	graph kernels, graph-structured data, geometric trees, medical image ar
Aashima Arora	Masters Student	Columbia University	
Abi Aryan	Founder	Delegano	
Abigail Jacobs	Ph.D. Student	University of Colorado	social networks, generative models, computational social science
Abigail See	Ph.D. Student	Stanford University	
Aditi Nabar	Data Scientist	Salesforce	
Adji Bouso Dieng	Ph.D. Student	Columbia University	Statistical Machine Learning, Deep Learning, Probabilistic Modeling, Va
Adriana Birlutiu	Faculty	University of Alba Iulia, Ro	machine learning, trasfer/multi-task learning
Adriana Romero	Postdoc	Montreal Institute for Learr	Deep learning, computer vision, medical imaging, genomics
Africa Perianez	Data Science Manage	Yokozuna Data / Silicon St	Africa Perianez Dr. África Periáñez is the Chief Data Scientist at Silicon
Afsaneh Asaei	Postdoc	Idiap Research Institute	Parsimonious and hierachical models, Deep learning, Statistical pattern
Agnes Braud	Faculty	University of Strasbourg	Data mining, Relational concept analysis, Temporal data, Applications to
Agnieszka Mikołajczyk	Masters Student	Gdansk University of Tech	Computer Vision, Image analysis in medicine
Agnieszka Słowik	Software Engineer	Architech / Jagiellonian Un	Neural Networks with focus on Extreme Learning Machines, Computer \
Agnieszka Smolinska	Researcher	Maastricht University	pattern recognition, chemometrics,multivariate analysis, data fusion, ker

WiM LDS Resources

@wimlds on Twitter



Tweets 2,000 Following 5,234 Followers 5,445 Likes 2,511 Lists 5

Following :

Women in ML/DS @wimlds Follows you

Women in Machine Learning & Data Science | local meetups inspired by @WiMLworkshop | Est. 2013 🎉

📍 US Kenya Nigeria France India

🔗 wimlds.org

📅 Joined January 2015

Tweets **Tweets & replies** **Media**

Pinned Tweet

Women in ML/DS @wimlds · 18 Nov 2015

Interested in starting a women's #DataScience or #MachineLearning meetup in your city? We'd love to help! Reach out at info@wimlds.org.

7 66 109

Retweeted

WiMLDS Delhi @WiMLDS_Delhi · Mar 14

#WiMLDS #MLUnplugged

Delhi WiMLDS is excited to bring to you a Machine Learning Conference in association with Infosys Center for Artificial Intelligence, IIIT-Delhi, with an objective of supporting and promoting women practicing, studying or interested in the fields of ML & DS.

1 3 6

@WiMLDS_BayArea on Twitter



WiMLDS Bay Area
@WiMLDS_BayArea

Following

Lauren works with customers and partners of all levels of machine learning experience. At the [#WiMLDSxMSFTReactor](#) meetup, she's sharing learnings from a finance project



7:23 PM - 7 Feb 2018



WiMLDS Bay Area
@WiMLDS_BayArea

Following

Gearing up for our WiMLDS x [@ga_sf](#) meetup!



6:44 PM - 11 Jan 2018



Join our monthly newsletter for all the updates!

[SUBSCRIBE](#)

OUR MISSION

WiMLDS's mission is to support and promote women¹ practicing, studying or interested in the fields of machine learning and data science. We create opportunities for women to engage in technical and professional conversations in a positive, supportive environment by hosting talks by prominent data scientists, technical workshops, networking events and hack-a-thons. We are inclusive to anyone who supports our cause regardless of gender or technical background. However, in support of our mission, priority for certain events and opportunities will be given to women.

WiMLDS Jobs Board

Keywords	Location			
<input checked="" type="checkbox"/> Freelance	<input checked="" type="checkbox"/> Full Time	<input checked="" type="checkbox"/> Internship	<input checked="" type="checkbox"/> Part Time	<input checked="" type="checkbox"/> Temporary

	Senior Data Engineer Adaptive Management	New York, New York	Full Time 3 days ago
	Data Scientist Seneca Resources	Richmond, VA or Arlington, VA	Full Time 2 weeks ago
	Sr. Software Engineer, Machine Learning – Personalization The New York Times	New York, NY	Full Time 3 weeks ago
	Machine Learning Engineer Chatdesk Solving customer service and unemployment	New York	Full Time 3 weeks ago
	Data Scientist Fusion Media Group FMG is a media company	New York City	Full Time 4 weeks ago
	Senior Machine Learning Engineer Unity Technologies Leading Development Platform used in games, self driving cars,	Bellevue - Washington , San Francisco California	Full Time 1 month ago
	Data Science Intern 1stdibs The Most Beautiful Things on Earth	New York, NY	Part Time 1 month ago

WiMLDS Slack Group

- Women only chat group
- Currently 438 members
- Lots of channels:
`#algorithms, #deeplearning, #jobs, #r, #python, #jobs, #ethics, #nlp, #datasets, #mentorship, etc.`
- To join, send an email to slack@wimlds.org



Thank you!

@ledell on Github, Twitter

erin@wimlds.org

<http://www.stat.berkeley.edu/~ledell>

