

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
100	Athletics & Sensing Devices	Cuff-Less Blood Pressure Monitoring using ECG and PPG Signals	Andrew Stirn
101	Athletics & Sensing Devices	Embodied Music Meditation: A Real-time Interactive Audio-Visual System for Buddhist Mudras Exploration	Yun Zhang, Yijun Zhou, Mark Rau
102	Athletics & Sensing Devices	GNSS Pseudorange Classification and Satellite Selection	Kazuma Gunning
103	Athletics & Sensing Devices	Human Activity Recognition using Smartphone Sensors	Jessica Moore, Binghai Ling
104	Athletics & Sensing Devices	Remote Surface Classification for Robotic Platforms	Will Roderick, Connor Anderson, Aaron Manheim
105	Athletics & Sensing Devices	Sensor-based Semantic-level Human Activity Recognition using Temporal Classification	Chuanwei Ruan, Rui Xu, Weixuan Gao
106	Athletics & Sensing Devices	GPS Trace Modality Classification	Diana Hernandez Juarez Madera, Matej Kosec, Yi Cao
107	Athletics & Sensing Devices	Predicting Pitchers' Early Career Value From Rookie Year Performance	Austin Poore, Joey Asperger
108	Athletics & Sensing Devices	Building an NFL performance metric	Seonghyun Paik
109	Athletics & Sensing Devices	Data-Driven Insights into Football Match Results	Kevin Bishop
110	Athletics & Sensing Devices	Do you even lift, bro?	Matthew Katzman, Christina Ramsey, Samuel Sowell
111	Athletics & Sensing Devices	Predicting Fantasy Football Production for Daily Fantasy Leagues	Alexei Bastidas, Ingerid Fosli
112	Athletics & Sensing Devices	Predicting Point Spread in NFL Games	Christina Wadsworth, Francesca Vera
113	Athletics & Sensing Devices	Beating the Bookies: Predicting the Outcome of Soccer Games	Steffen Smolka
114	Athletics & Sensing Devices	Human Activity Recognition Using Smartphone Data	Nicholas Canova, Fjorabla Shemaj
115	Athletics & Sensing Devices	Beating the Odds, Learning to Bet on Soccer Matches Using Historical Data	Soroosh Hemmati, Bardia Beigi, Michael Painter
116	Athletics & Sensing Devices	Human Activity Recognition	Heguang Liu, Wei Ji, Jonathan Fisher
117	Athletics & Sensing Devices	Predicting Future NBA Scores from Play-by-Play Data	Jesus Guzman, Batuhan Balci, Grant Avalon
118	Athletics & Sensing Devices	Predicting NBA Lineup Success from Individual Player Statistics	Neerav Dixit
119	Athletics & Sensing Devices	Predicting Run vs. Pass Plays in the NFL	Vihan Lakshman, Peter Lee, Ryan Chen
120	Athletics & Sensing Devices	Predicting the Trajectory of an NBA Player's Career	Michael An, Evan Liang, Michelle Zhang
121	Audio & Music	Detecting Musical Key with Supervised Learning	Robert Mahieu
122	Audio & Music	Recurrent Neural Networks with Attention for Genre Classification and Music Compositon	Elliott Chartock, Jeremy Irvin, Nadav Hollander
123	Audio & Music	Applying Machine Learning to Music Classification	Matthew Creme, Charles Burlin, Raphael Lenain

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
124	Audio & Music	Classifying an Artist's Genre Based on Song Features	Mitchell Dumovic, Richard Ridley
125	Audio & Music	Conditioning WaveNet on Learned Formant Characterizations for Speech Audio Enhancement	Kyle Fisher, Adam Scherlis
126	Audio & Music	Contemporary Popular Music History by Machine Learning	Silu Tang
127	Audio & Music	Improv for Computers: Beat Tracking with Poor Recording	Justin Krasner-Karpen
128	Audio & Music	Keyword Spotting in Arabic Speech	Mohamed Mahmoud
129	Audio & Music	Modelling Call Center Customer Satisfaction	Dennis Fang
130	Audio & Music	Music-Speech Discrimination	Shiv Kaul, Yash Malviya, Kushaagra Goyal
131	Audio & Music	Neural Network for Music Instrument Identification	Zhiwen Zhang, Hanze Tu, Yuan Li
132	Audio & Music	Video Game Genre Classification by Soundtrack	David Wugofski, Zhiming Shi, Bojong Ni
133	Audio & Music	Predicting Imagined Meters in Musical Patterns from MEG Data	Aashna Shroff, Ben Limonchik, Zoe Alanah-Robert
134	Computer Vision	DeepCrop: Whole Object Auto-Cropping with Deep Learning	Andrey Kurenkov
135	Computer Vision	Neural Networks for Video Frame Interpolation	Mark Koren, Kunal Menda, Apoorva Sharma
136	Computer Vision	Reconstruction of Chinese Calligraphy	LI DENG, LIYI EANG, Zhaolin Ren
137	Computer Vision	Seeing Beyond Seeing with Enhanced Deep Tracking	Zhiyang He
138	Computer Vision	Detect Distracted Driver	Yundong Zhang
139	Computer Vision	Measuring Artistic Similarity of Paintings	Yancheng Xiao, Jay Whang, Buhuang Liu
140	Computer Vision	Painting Genre Identification using CNNs	Payal Bajaj, Niveta Iyer, Mayank Agarwal
141	Computer Vision	Viewpoint Invariant Person Detection in RGB-D Data	Alisha Rege
142	Computer Vision	Adversarial Attack on Image Recognition	Masha (Mikhail) Itkina, Yu Wu
143	Computer Vision	Artistic Style Transfer for Face Portraits	Marcus Pan, Chen Zhu, Daniel
144	Computer Vision	Classification of Garbage Into Different Waste Classes	Mindy Yang, Gary Thung
145	Computer Vision	Create your own Chinese calligraphy artwork	Tao Jia, Haoli Guo, Yujie Zheng
146	Computer Vision	DART: Deep Learning for Art	Prasad Kawthekar, Alex He, Max Dumonal
147	Computer Vision	Deep Learning Based Food Recognition	Dongyuan Mao, Qian Yu, Jingfan Wang

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
148	Computer Vision	Is He Chinese, Korean or Japanese?	ShuYing Zhang, HaoXuan Chen, Yiran Deng
149	Computer Vision	Recognition of Tourist Attractions Using Convolutional Neural Networks	Yuanfang Li, Xin Li, Chang Yue
150	Computer Vision	Single RGB Image Depth Estimation in Indoor and Outdoor Scenes	Yuanfang Wang, Yuan Gao, Yinghao Xu
151	Computer Vision	Target Tracking with Particle Filtering and Recurrent Neural Nets	Jonathan Kuck, Dan Iter, Philip Zhuang
152	Computer Vision	3D Point Estimation Using Recursive Networks	Hanna Winter
153	Computer Vision	Automated Restyling of Human Portrait Based on Facial Expression Recognition and 3D Reconstruction	Cheng-Han(Dennis) Wu, Hsin Chen
154	Computer Vision	Example-Based Image Super-Resolution Techniques	Mark Sabini, Gili Rusak
155	Computer Vision	Monitoring Illegal Fishing through Image Classification	Antariksh Mahajan, Jason Frost, Taylor Geisler
156	Computer Vision	Out-of-focus: Learning Depth from Image Bokeh for Robotic Perception	Eric Cristofalo, Zijian Wang
157	Computer Vision	Applying Machine Learning Techniques to Steering Angle Prediction in Self-Driving Cars	Petar Penkov, Vinay Sriram, James Ye
158	Computer Vision	ASL Fingerspelling Interpretation	Shalini Ranmuthu, Ishan Patil, Hans Magnus Ewald
159	Computer Vision	Automated Image-based Detection of State of Construction Progress	hesam hamledari
160	Computer Vision	Classification of Driver Distraction	Danni Luo, Sam Colbran, Kaiqi Cen
161	Computer Vision	Classification of micro-UAVs with EO Sensors	Ned Danyliw, Markus Diehl
162	Computer Vision	ColorRNN Book: A Recurrent Deep Learning Approach to Consistent Video Colorization	Divyahans Gupta, Sanjay Kannan
163	Computer Vision	End-to-End Driving Controls Prediction from Images	Jan Felix Heyse, Maxime Bouton
164	Computer Vision	Machine Learning for Different Calligraphers' Style Recognition	Yu-Sheng Chen, Haihong Li, Guangjun Su
165	Computer Vision	Machine Learning for Human Activity Recognition	Shikhar Shrestha
166	Computer Vision	Painfree LaTeX with Optical Character Recognition and Machine Learning	Joseph Chang, Andrew Zhang, Shrey Gupta
167	Computer Vision	Plant Leaf Recognition	Albert Liu, Yangming Huang
168	Computer Vision	Read My Lips: audio-free phoneme classification	Sam Wood
169	Computer Vision	Real-time Object Detection	Ziyi Yang, Zibo Gong, Tianchang He
170	Computer Vision	Predicting Gentrification with Satellite Imagery	Kenneth Xu, Soraya Karimi, Ramin Ahmari
171	Computer Vision	YOLOFlow	Konstantine Buhler, John Wheatley, Matthew Vilim

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
172	Computer Vision	Denosing Low Light Images	Paroma Varma, Nitish Padmanaban, Geet Sethi
173	Computer Vision	Detecting Diabetic Retinopathy with Convolutional Neural Networks	Alex Tamkin, Iain Usiri, Chala Fekadu Fufa
174	Computer Vision	Generative adversarial network based adversarial examples generation and defense	Fei Xia, Ruishan Liu
175	Computer Vision	PDF Table Extractor	Nick Pether, Todd MacDonald
176	Computer Vision	Socially Aware Neural Nets for Effective Crowd Navigation	Maximilian Chang, Karthik Raju
177	Finance & Commerce	Wind Power and Electric Load Forecasting	XUHUA GAO, MENGWEI LIU , JIE WU
178	Finance & Commerce	Comparative Automated Bitcoin Trading Strategies	Kareem Hegazy, Sam Mumford
179	Finance & Commerce	House Price Predictions with Advanced Regression and Classification Techniques	Hujia Yu, Jiafu Wu
180	Finance & Commerce	NLP Analysis of Company Earnings Releases	Charles Pratt, Philipp Thun-Hohenstein, Thomas Ulrich
181	Finance & Commerce	Portfolio Management using Reinforcement Learning	Olivier Jin, Hamza El-Saawy
182	Finance & Commerce	Predicting film box office in the United States	Pengda Liu
183	Finance & Commerce	Predicting Flight Delays Using Weather Data	Samir Menon, Neil Movva
184	Finance & Commerce	Predicting interest rate changes from Federal Reserve proceedings	Indira Puri
185	Finance & Commerce	Predicting News Sharing on Social Media	Joseph Johnson, Noam Weinberger
186	Finance & Commerce	Predicting Stock Price Movement Using Crowd Sentiment Analysis	Derek Tsui
187	Finance & Commerce	Stock Market Trends Prediction after Earning Release	Chen Qian , Wenjie Zheng, Ran(Emma) An
188	Finance & Commerce	Unstructured Document Recognition on Business Invoice	Yaqi Zhang, Wenshun Liu, Xizheng Wan
189	Finance & Commerce	Predicting Success of Restaurants in Las Vegas	Sang Goo Kang, Viet Vo
190	Finance & Commerce	Boozed%Ù'd Trees%ÙÓBeer Sales Forecasting	Dan Zylberglejð, Ludwig Schubert
191	Finance & Commerce	Comparing Models of Regression for Credit Defaults on Demographics and Credit History	Nate Gruver, Richard Hwang, James Li
192	General Machine Learning	Approximate Geodesic Acceleration for Large-Scale Optimization	Mitchell McIntire, Sean McLaughlin
193	General Machine Learning	Automatic Recognition of Pick and Roll Plays	Will Qiu
194	General Machine Learning	Autonomous Super Mario Agent	Sean Klein
195	General Machine Learning	Ensembling and Other Defenses Against Adversarial Examples	Brendon Go, Evan Liu

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
196	General Machine Learning	Hacking AES-128	Konstantinos Kafes, Timothy Chong
197	General Machine Learning	Machine Learning for Aircraft System Identification	Brandon Jones, Kevin Jenkins
198	General Machine Learning	Predicting NFL Score Differences using Markov Models	Stanley Xie, Guy Blanc, Eric Luxenberg
199	General Machine Learning	Prediction of Research Impact : A Case Study for Nanotechnology	Patrick Tae, Raisul Islam
200	General Machine Learning	Sampling-Based Motion Planning under Differential Constraints	William Clary
201	General Machine Learning	Sparse Estimation of Movie Preferences via Constrained Optimization	Alexandros Anemogiannis, Ajay Mandlekar, Matthew Tsao
202	General Machine Learning	ZSY Playing	Wei-ting Hsu, Hua Feng, Leon Lin
203	General Machine Learning	AI Plays 2048	Yun Nie, Wenqi Hou, Yicheng An
204	General Machine Learning	American Immigrants Classification and Naturalization Time Prediction of Different Groups	Yixiao Sheng, Yu-Chung Lien, Ching-Hua Wang
205	General Machine Learning	Learning To Cook	Jake Rachleff, Rachel Lim, Travis Arffa
206	General Machine Learning	Modeling Flight Delays	Romain Sauvestre, Louis Duperier, Jonathan Leaf
207	General Machine Learning	Predicting the wealthy & the poor	Maxime Voisin
208	General Machine Learning	Using Machine Learning Algorithms to Identify Undervalued Baseball Players	Tatsuya Ishii
209	General Machine Learning	Where Can Clean Technology Help? Machine Learning to Identify Environmentally At-Risk Communities in the United States	Shiran Shen, Blane Wilson
210	General Machine Learning	Applying machine learning to the board game Pylos	Lucia Gan, Stan Fort, Allen Zhao
211	General Machine Learning	Bayesian Knowledge Tracing	Qandeel Tariq, Richard Lee Davis, Alex Kolchinski
212	General Machine Learning	Binary Multi-layer Neural Network Implemented with Non-volatile Memory Crossbar for Efficient Neuromorphic Computing	Weier Wan, Ling Li
213	General Machine Learning	Complementary Venue Recommendation Model for Yelp	Ryan Wong, Hyun Sik Kim
214	General Machine Learning	Developing a Regression Algorithm for Predicting Magic: The Gathering Card Efficiency in Draft Format	Jonathan Tuck
215	General Machine Learning	Generating Ad-Hoc Curricula	Andrew Lampinen
216	General Machine Learning	High-Speed Autonomous Driving through Unknown Map	Xiaobai Ma, Zhenkai Wang, Siyan Guo
217	General Machine Learning	Improving the Quality of 3D Printing by Machine Learning	Chi-Chun Pan
218	General Machine Learning	League of Legends Match Outcome Prediction	Lucas Lin
219	General Machine Learning	Prediction of morality of individuals based on survey parameters	Dongsoo Lee

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
220	General Machine Learning	San Francisco Crime Classification	Charles Hale, Feng Liu
221	General Machine Learning	Adversarial Machine Learning against Keystroke Dynamics	Parimarjan Negi, Ankita Sharma
222	General Machine Learning	Deep Q-learning on Atari Assault	Fabian Chan, Xueyuan Mei, You Guan
223	General Machine Learning	Predicting Film Critical Reception	Yuval Gannot
224	General Machine Learning	Predicting Median Income from Yelp Review Language	Stephanie Chen, Michael Zhu
225	General Machine Learning	Predicting Yelp User's Rating Based on Previous Reviews	Yue Li, Haomiao Song
226	General Machine Learning	Reviving our infrastructure to save lives	Alec Arshavsky
227	General Machine Learning	Sports Data Mining: Predicting Results for Professional Basketball Games	Weronika Swiechowicz, Jacob Perricone, Ian Shaw
228	General Machine Learning	A Personalized Recommendation System for Yelp Users	Yinuo Yao, Fangmingyu Yang, Xin Niu
229	General Machine Learning	Bias In Wikipedia: Different Links, Different Stories	Raine Hoover
230	General Machine Learning	Click Recommendation	Sudhanshu Singh, Lisa Yamada, Julien Hoachuck
231	General Machine Learning	Kitchen Faucets Personalized to User Cognitive Styles	Naren Ramaswamy
232	General Machine Learning	Making Our Cities Safer: A Study of Neighborhood Crime Patterns	Ariel Sagalovsky, Alyson Kane
233	General Machine Learning	New York City Cab Pricing	Christophoros Antoniadis, Delara Fadavi, Antoine Foba Amon Junior
234	General Machine Learning	Predicting Compensation for Job Seekers	Jennifer Kilpatrick, Darren Baker, Megan Fazio
235	General Machine Learning	Predicting Freeway Traffic in the Bay area	Jacob Baldwin, Chen-Hsuan Sun, Ya-Ting Wang
236	General Machine Learning	Predicting K-5 School Enrollment for the New York City Department of Education	Deepti Mahajan, Michael Fairley
237	General Machine Learning	Predicting Popularity of Posts on Hacker News	Yang Yuan, Zhenglin Geng, Chao Wang
238	General Machine Learning	Predicting Rank Changes of LOL Players	Se Won Jang
239	General Machine Learning	Predicting Sexual Orientation Based on Facebook Status Updates	Michael Xing, Aaron Loh, Kenneth Soo
240	General Machine Learning	Predicting Which Recommended Content Users Click	Lingjie Kong, Stanley Jacob
241	General Machine Learning	Real-time spam classification of the Twitter Firehose	Ansh Shukla, Abhijit Pujare
242	General Machine Learning	Use of unstructured learning to detect gerrymandering across school districts	Divya Siddarth, Amber Thomas
243	General Machine Learning	Using Yelp Reviews to Improve Businesses	Stephanie Mallard, Bonnie Nortz

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
244	General Machine Learning	Allocating aid to right people	Adem Dugalic, Tram Nguyen
245	General Machine Learning	Distance Correlation	Yoann Le Colonnec
246	General Machine Learning	Learning Long Term Dependencies with Deep Logarithmic Residual LSTMs	Zihua Liu, William Hang, Joseph Suarez
247	General Machine Learning	Learning Multiagent Congestion Control Schemes	Saied Mehdian, AmirMahdi Ahmadinejad
248	General Machine Learning	Learning the Network Structure of Heterogeneous Data	Jong Ho Kim, Youngsuk Park
249	General Machine Learning	Machine Learning with Insufficient Data Amount	Phan Minh Nguyen
250	General Machine Learning	Motion Planning in Unknown Environments	Vikranth Dwaracherla, Varsha Sankar, Radhika Pramod Patil
251	General Machine Learning	Movie Recommendation: Aggregation of Collaborative Filtering and Low-rank Matrix Recovery	YanJun Han, Yuan Chen, Yixin Wang
252	General Machine Learning	Predicting Emergency Incidents in San Diego	Tyler Romero, Zach Barnes, Frank Cipollone
253	General Machine Learning	Spectral Learning of General Latent-Variable Probabilistic Graphical Models: A Supervised Learning Approach	Borui Wang
254	Life Sciences	Applying Boosting Algorithm for Improving Diagnosis of Interstitial Lung Diseases	Jason Yang
255	Life Sciences	Applying Machine Learning to Predict and Explain Primate Consortship	Vayu Kishore, Filippo Ranalli, Josh King
256	Life Sciences	Automated Image-to-Text Annotation for Neonatal Neurosonography	Dongwoon Hyun, Leandra Brickson
257	Life Sciences	Bianca: Mouse behavior tracking	Piper Keyes, Sal Valdes
258	Life Sciences	Computational prediction of clinical outcome of sepsis from critical care database	Yosuke Tanigawa, Stephen Pfohl
259	Life Sciences	DeepEyes: Extraocular Disease Classification	Shloka Desai, Chelsea Sidrane, Zachary Maurer
260	Life Sciences	Determining Disinfection Byproduct Formation during Disinfection using Treatment Parameters	Aleksandra Szczuka
261	Life Sciences	Diabetic Retinopathy Identification and Severity Classification	Sagar Honnunar , Sanyam Mehra, Joseph Samuel
262	Life Sciences	Encoding the natural response of primate retina	Nandita Bhaskhar , Ananth Saran Yalamarthy, Arushi Arora
263	Life Sciences	Ensemble Prediction of Intrinsically Disordered Regions in Proteins	Ahmed Attia
264	Life Sciences	Generative models for the trajectories of slow-progressing mobility diseases following medical interventions	Ferdinand Legros
265	Life Sciences	Genome Dreaming	Akshay Maheshwari, Oguz Elibol, Bohan Wu
266	Life Sciences	Identifying Causal Variants for Mendelian Diseases	Varun Bindra
267	Life Sciences	Independent Component Analysis (ICA) of functional MRI (fMRI) data	Seul Lee

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
268	Life Sciences	Investigating Autism and The Human Microbiome	Michael D. Salerno, Christine A. Tataru, Filip Zivkovic
269	Life Sciences	Models of Neuron Coding in Retinal Ganglion Cells and Clustering by Receptive Field	Claire Hebert, Brett Larsen, Kevin Feigelis
270	Life Sciences	Predicting Image Categories using Brain Decoding	Charles Akin-David, Aarush Selvan, Minymoh Anelone
271	Life Sciences	Predicting prokaryotic incubation times from genomic features	Maeva Fincker
272	Life Sciences	Predicting transfer properties of focused ultrasound across skull from CT image features	John Coejin
273	Life Sciences	Segmentation of Medical Ultrasound Images using Convolutional Neural Networks with Noisy Activation Functions	You Li
274	Life Sciences	Separation of MR multiband images using complex independent component analysis	Yuxin Hu, Minda Deng , Haiyu Lu
275	Life Sciences	Using Genomic Data to Identify Co-Variation Patterns and Predict Outcomes in Human Cancers	Nathan S Abell
276	Life Sciences	Predicting Energy Usage of School Buildings	Rohith Desikan, Daniel Sambor, Vikhyat Chaudhry
277	Life Sciences	Use SVM to classify brain tumor type	Haomin Peng
278	Life Sciences	Deep reinforcement learning for neuromuscular control	Paris Flood
279	Life Sciences	Applying LSTM Deep Networks for Human Seizure Prediction	Cagan Alkan, Ehsan Dadgar-Kiani, Ali Shameli
280	Life Sciences	Automatically Quantifying Radiographic Knee Osteoarthritis Severity	Suhas Suresha, Nathan Dalal, Akash Mahajan
281	Life Sciences	Building a Better Risk Prediction Model for ASCVD	Jonas Kemp, Aditya Kanukurthy
282	Life Sciences	Data driven prediction of Material Bandgap	Fariah Hayee, Isha Datye, Rahul Kini
283	Life Sciences	Image-based Melanoma Classification using Convolutional Neural Networks	Simon Kalouche
284	Life Sciences	Annotating pathogenicity of genetic variants	Somit Gupta
285	Life Sciences	CNNs for Segmenting Confluent Cell Culture	Bruno Beltran, Nalin Ratnayeke
286	Life Sciences	Model optimization: Adding microbial effects into TECO model	Shuyi Yin, Jiahui Wang, Yunfan Wu
287	Natural Language	Classifying Social Unrest through Twitter Sentiment	Tariq Patanam, Dan Sadaati, Farah Uraizee
288	Natural Language	Legal Matter Classification	Chase Basich, Austin Chambers
289	Natural Language	Multiclass Classification of Tweets and Twitter Users Based on Kindness Analysis	Wanzi Zhou, Chaosheng Han, Xinyuan Huang
290	Natural Language	Predicting Mass Movements with Google Trends Data	Justin Lai, Brian Higgins
291	Natural Language	Removing Bias from Word Embeddings	Tuhin Chakraborty

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
292	Natural Language	Semantic Analysis of Political Speeches	Ambika Acharya, Mike Maduabum, Nicole Crawford
293	Natural Language	Detecting Temporal Relations of Events in Short Narratives	Deleenn Chin, Kevin Chen
294	Natural Language	Disentangling Multiple Narratives through Natural Language Processing	Maggie Engler, Brett Harvey
295	Natural Language	Improving Yelp Restaurant Recommendations	Tuan Nguyen, Gil Rosen
296	Natural Language	Predicting the Likelihood of Response in a Messaging Application	Tushar Paul , Kevin Shin
297	Natural Language	Prediction of the crude oil price thanks to natural language processing applied to newspapers	Arthur Morlot, Sophie Trastour, Maxime Genin
298	Natural Language	Automatic Generation of Lyrics in Bob Dylan's Style	Chao Liang, Dongzhuo Li, Tianze Liu
299	Natural Language	Determine Article Style Using Machine Learning	Wenda Zhao
300	Natural Language	Language Recognition and using Speech Recordings	Cindy Catherine Orozco Bohorquez, Leopold Cambier, Matan Leibovich
301	Natural Language	Paragraph Topic Categorization	Edward Ng, Eugene Nho
302	Natural Language	Sentiment Classification and Opinion Mining on Airline Reviews	Peng Yuan, Yangxin Zhong, Jian Huang
303	Natural Language	Stack Overflow Query Outcome Prediction	David Lin, Robbie Jones
304	Natural Language	Visual-Tex	Nick Troccoli, Kat Gregory, Dylan Moore
305	Natural Language	Matching Questions to People with the most Relevant Expertise	Ali Chaudhry, Alon Devorah
306	Natural Language	Language Models for US Presidential Candidates	FNU Budianto, Jeff Nainapampil, Shruti Murali
307	Natural Language	Tracking the relevance of conferecens	huizi mao
308	Physical Sciences	Reduced order modeling approach for cardiovascular stent design	Berkin Dortdivanlioglu
309	Physical Sciences	A Reinforcement Learning Approach for Motion Planning of Hopping Rovers	Benjamin Hockman
310	Physical Sciences	Determining Aircraft Sizing Parameters through Machine Learning	Timothy MacDonald, Michael Vegh, Brian Munguia
311	Physical Sciences	Implementing Machine Learning to Earthquake Engineering	Cristian Acevedo
312	Physical Sciences	Predicting Chemical Reaction Transition State Energies Using Machine Learning	Aayush Singh, Brian Rohr, Joseph Gauthier
313	Physical Sciences	Reimaging Shallow Structure	Greg DePaul, Jeremy Wood
314	Physical Sciences	Seismic event detection using a fiber optic array deployed under Stanford campus	Robert Cieplicki, Fantine Huot, Yinbin Ma
315	Physical Sciences	Beam Detection Based on Machine Learning Algorithms	Haoyuan Li, Qing Yin

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
316	Physical Sciences	Improving efficient collapse intensity measures using machine learning	Hector DÍavalos, Pablo Heresi
317	Physical Sciences	Inverse Design of Grating Couplers	Logan Su
318	Physical Sciences	Learning Catalysts, One Piece at a Time	Philip Hwang, Michael Tang, Robert Sandberg
319	Physical Sciences	Machine Learning The Optimal Power Flow Problem	Thomas Navidi, Aditya Garg, Suvrat Bhoosan
320	Physical Sciences	Markov Model in Time for Transport in Porous Media	Amir Hossein Delgoshai, Yang Wong
321	Physical Sciences	Prediction of materials with two-dimensional layered phases from chemical compositions	Gwooon Cheon, Lavi Blumberg
322	Physical Sciences	Uncertainty quantification and sensitivity analysis of reservoir forecasts with machine learning	Jihoon Park
323	Physical Sciences	Classification of River Delta Channel Bifurcation Points in Remote Sensing Imagery	Erik Nesvold
324	Physical Sciences	Galaxy Morphology Classificatoin	Archa Jain, Alexandre Gauthier, Emil Noordeh
325	Physical Sciences	Quark-gluon tagging in the forward region of ATLAS at the LHC	Rob Mina, Randy White
326	Physical Sciences	Neural Networks for calibrating ATLAS jets	Murtaza Safdari, Nicole Hartman
327	Physical Sciences	Rainfall Prediction in California	Swarna Sinha
328	Physical Sciences	Weather Forecasting	Dylan Liu, Mark Holmstrom, Christopher Vo
329	Physical Sciences	Clustering of input data for the optimization of energy systems	Holger Teichgraeber
330	Physical Sciences	Data classification for diffraction images	Po-Nan Li
331	Physical Sciences	Data-Driven Earthquake Location Method	Weiqiang Zhu, Kaiwen Wang
332	Physical Sciences	Facies Characterization of a Reservoir in the North Sea Using Machine Learning Techniques	Peipei Li, Yuran Zhang
333	Physical Sciences	Human Fall Detection in Indoor Environments Using Channel State Information of Wi-Fi Signals	Sankalp Dayal, Paraskevas Deligiannis, Hirokazu Narui (Auditing)
334	Physical Sciences	I Know Where You Are: Indoor WiFi Localization Using Neural Networks	Tong Mu, Tori Fujinami, Saleil Bhat
335	Physical Sciences	Novel Machine Learning Methods for Detection of Natural Gas Leaks	Charles Lu
336	Physical Sciences	Predicting Earthquake Characteristics from a Single Seismic Station	Jeremy Maurer, Shanna Chu
337	Physical Sciences	Temperature predictions for the Y2E2 building	Balthazar Donon
338	Physical Sciences	X-Ray Photoelectron Spectroscopy Enhanced by Machine Learning	Alexander Gabourie, Connor McClellan, Sanchit Deshmukh
339	Theory & Reinforcement	Deep Reinforcement Learning for General Game Playing	Noah Arthurs, Sawyer Birnbaum

Annual Stanford Machine Learning Poster Session
December 13, 2016 - Project Directory

#	Area	Title	Authors
340	Theory & Reinforcement	Algorithms for Learning Good Heuristics	Brian Zhang, Manikant Tiwari
341	Theory & Reinforcement	Application of Machine Learning to Link Prediction	Kyle Julian, Wayne Lu
342	Theory & Reinforcement	Reinforcement Learning for Dam Control	Isabel Bush, Matthew Shultz
343	Theory & Reinforcement	The Applicability of Machine Learning Concepts to Game Artificial Intelligence	Qiujiang Jin, Garrett Gutierrez
344	Theory & Reinforcement	Building an Intelligent Agent to play 9x9 Go	Shawn Hu
345	Theory & Reinforcement	Reinforcement Learning for Rapid Roll	Bera Shi, Zhecheng Wang, Yang Li
346	Theory & Reinforcement	Using Reinforcement Learning to Play Othello	Frank Zheng, Kevin Fry, Xianming Li
347	Theory & Reinforcement	Aerobatics Aircraft Controller with Reinforcement Learning	Jean de Beedelievre, Kevin Poulet, Bertrand Bevillard
348	Theory & Reinforcement	Deep Reinforcement Learning for Atari games aided with human guidance	Kshitiz Tripathi
349	Theory & Reinforcement	Killing Zombies in Minecraft Using Deep Q-Learning	Hiroto Udagawa, Shim Young Lee, Tarun Narasimhan
350	Theory & Reinforcement	Reinforcement Learning for Autonomous Racing in Simulation	Nancy Xu, Adithya Ganesh, Matthew Das Sarma
351	Theory & Reinforcement	Implementing Q-Learning for Breakout	Jiaming Zeng, Jennie Zheng, Edgard Bonilla
352	Theory & Reinforcement	Human Level Control in Games Using Deep Deterministic Policy Gradients	Tanuj Thapliyal
353	Theory & Reinforcement	Predicting users' political support from their Reddit comment history	Silviana Ilcus, Michal Wegrzynski, Aaron Acosta
354	Theory & Reinforcement	AI for Chrome Offline Dinosaurs Game	Junjie Ke, Yiwei Zhao, Honghao Wei
355	Theory & Reinforcement	Control of Inverted Double Pendulum using Reinforcement Learning	Fredrik Gustafsson
356	Theory & Reinforcement	Deep Q-Learning with Recurrent Neural Networks	Dillon Laird, Clare Chen, Vincent Ying
357	Theory & Reinforcement	One-Shot Learning of Faces	Samuel Kim, Luke Johnston, Will Chen
358	Theory & Reinforcement	Reinforcement Learning for Feature Selection in Affective Speech Classification	Eric Lau, Chiraag Sumanth, Suraj Heereguppe
359	Theory & Reinforcement	When does stochastic gradient descent work without variance reduction?	Huseyin Atahan Inan, Chuan-Zheng Lee