



Microsoft

université
PARIS-SACLAY



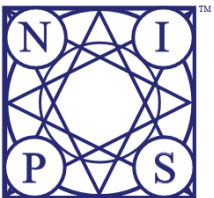
UNIVERSITAT DE
BARCELONA



Codalab

Open source platform to accelerate
reproducible computational research

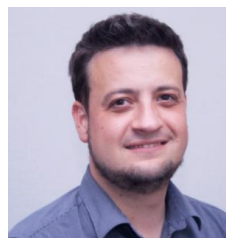
Evelyne Viegas, Isabelle Guyon, Sergio Escalera



CodaLab 2017 Community Leads



Percy Liang, Stanford



**Sergio Escalera, U. of
Barcelona, CV Center, ChaLearn**



**Isabelle Guyon, Paris-
Saclay, ChaLearn**



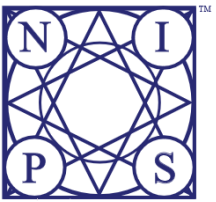
**Xavier Baró Solé, U. Oberta de
Catalunya, CV Center**



**Evelyn Viegas,
Microsoft AI & Research**



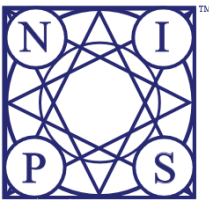
Eric Carmichael, CK Collab



CodaLab – Contributors

CodaLab has received important contributions from many people, and we would like to thank their efforts in making CodaLab what it is today:

Pujun Bhatnagar, Justin Carden, Richard Caruana, Francis Cleary, Sergio Escalera, Andrew Duffy, Ivan Judson, Lori Ada Kilty, Shaunak Kishore, Stephen Koo, Konstantin Kopyrev, Eric Li, Pragnya Maduskar, Simon Mercer, Arthur Pesah, Christophe Poulain, Lukasz Romaszko, Laurent Senta, Tyler Thomas, Cedric Vachandez, Paul Viola, Erick Watson, Tony Yang, Flavio Zhingri, Michael Zyskowski.



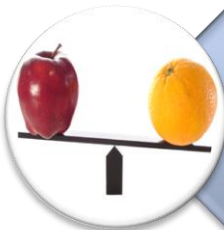
What are the issues?



Duplication of Effort / No Shared Learning



Lack of Reproducibility / Inadequate Publication



No Comparable Baseline / Insufficient Collaboration



Instant Gratification! Inability to leverage work from challenges



What is needed



Reducing preparation time

Accelerating the
pace of
innovation



Reproducibility

Enabling sharing
of approach,
code, data



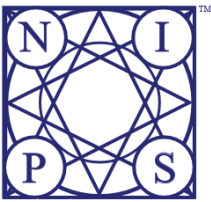
Benchmarking

Establishing
common
measures



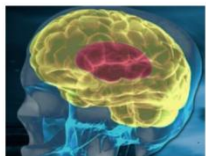
Coopetitions

Solving
challenges
collaboratively



CodaLab ecosystem





MICCAI Multimodal Brain Tumor Segmentation (BRaTS) Challenge

Organized by kalpathy

The BRaTS challenge is designed to gauge the current state-of-the-art in automated brain tumor segmentation and to compare between different ...



COCO Detection Challenge

Organized by richardaecn



VQA Real Image Challenge (Open-Ended)

Organized by vqateam

This challenge evaluates algorithms on the VQA Open-Ended task for the



Dialog State Tracking Challenge 4 (DSTC4)

Organized by seokhwan.kim

Dialog state tracking is one of the key sub-tasks of dialog management, which defines the representation of dialog states and ...



ChaLearn Fast Causation Coefficient Challenge

Organized by chalearn

This is an extension of ChaLearn's Cause-Effect Pair Challenge. Score pairs of variables {A, B} with a causation coefficient.



ChaLearn Automatic Machine Learning Challenge (AutoML)

Organized by automl.chalearn

Create a fully Automatic Machine Learning solution, capable of building models without ANY human intervention.



ChaLearn Looking at People 2016 - Track 1: Age Estimation

SemEval-2017
Task 1

SemEval-2017 Task 1: Semantic Textual Similarity

Organized by ilopez077

Official competition site for the SemEval-2017 Task 1: Semantic Textual Similarity

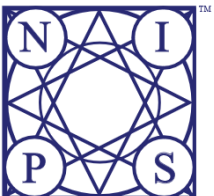
2013 – CodaLab 1.0, an open source platform to accelerate reproducible computational research. Accepts result submission.

2014 – Expansion to CV, Speech

Accepts submission of code (test only, no training)

2015: Code submission (train and test) AutoML (blind testing). Hackathons. Coopetition.

2016: Expansion (CV, Speech, NLP, IR). Use in education.



CodaLab 2017 and beyond

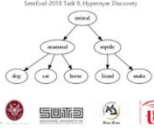
~ 480 challenges (145 public)

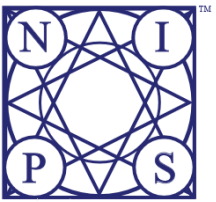
~ 10000 users

See <http://www.chalearn.org/tips.html>
for tips on how to organize a competition

Codalab v1.5

- Lower barrier of entry with ChaLab
- Scalability & reusability
- Enables new types of competitions (e.g. Reinforcement Learning)

	SemEval-2018 Task 9: Hypernym Discovery Organized by CamachoCollados This is the CodaLab Competition for the SemEval-2018 Task 9: Hypernym Discovery.	Dec 31, 2017-No end date 102 participants
	AutoML2018 challenge :: PAKDD2018 Organized by hugo.jair AutoML 2018 Challenge.	Nov 30, 2017-Mar 15, 2018 67 participants USD \$3,000 reward
	Aprenentatge Computacional 2017-18: Competicio Xarxes Neurons Organized by jordi.gonzalez Practica 2 - Aprenentatge Computacional Escola Enginyeria - Univ. Autònoma de Barcelona 2017	Nov 24, 2017-Jan 09, 2018 35 participants
	2018 FG Challenge- Recognizing Families In the Wild (RFIW'18) Organized by jvision A large-scale visual kinship recognition challenge (T1- Kinship Verification).	Nov 15, 2017-May 01, 2018 13 participants
	The 2017 Hands in the Million Challenge on 3D Hand Pose Estimation: Hand-Object task Organized by guiggh This is the submission page of the 2017 Hands in the Million Challenge on 3D Hand Pose Estimation. This competition ...	Sep 24, 2017-Oct 01, 2017 20 participants
	COSC7336 - Community Question & Answering Organized by UH_RITUAL This is the third and final competition for the course.	Sep 19, 2017-Dec 09, 2017 23 participants



Open source: <https://github.com/codalab/codalab-competitions>

Public instance: <https://competitions.codalab.org/>

Local computer or cloud: Azure for research grant



Users:

Code submission

<http://automl.chalearn.org>

Organizers:

Competition bundles





Competition bundles

```
title: Iris example challenge
description: Classify species of irises using sepal and petal length and width
image: iris.jpg

html:
  data: data.html
  evaluation: evaluation.html
  overview: overview.html
  terms: rules.html

phases:
  1:
    label: Development Phase
    description: 'Tune your models and submit prediction results.'
    start_date: 2017-08-26
    public_data: input_data_1_2.zip
    reference_data: reference_data_1.zip
    scoring_program: scoring_program_1_2.zip
    starting_kit: starting_kit.zip
  2:

leaderboard:
  leaderboards:
    Results: &RESULTS
    label: RESULTS
    rank: 1
  columns:
    bac_multiclass:
      leaderboard: *RESULTS
      label: Prediction score
      numeric_format: 4
      rank: 2
    Duration:
      leaderboard: *RESULTS
      label: Duration
      numeric_format: 2
      rank: 7
```

Name	Size	Mo
competition.yaml	2,2 kB	
data.html	311 bytes	
evaluation.html	2,1 kB	
ingestion_program_1_2.zip	18,7 kB	
input_data_1_2.zip	1,9 kB	
iris.jpg	3,1 MB	
iris_starting_kit.zip	194,1 kB	
overview.html	671 bytes	
reference_data_1.zip	163 bytes	
reference_data_2.zip	170 bytes	
scoring_program_1_2.zip	11,1 kB	
terms.html	300 bytes	

<https://github.com/codalab/competition-examples>



CodaLab

Upload bundle

[My Competitions](#)

[Help](#)

 guyon ▾

Competitions (My CodaLab)

[Competitions](#)

[Competitions I'm In](#)

[Competitions I'm Running](#)

[My Datasets](#)

Create Competition



Crimes City
Organized by
AIC Project

Feb 02, 2016-No end date
18 participants

Edit

Publish

Participants

Submissions

Leaderboard



Il faut sauver les datass, Ryan !!
Organized by test
Machine learning on reviews from IMDB

Feb 01, 2016-No end date
8 participants

Edit

Publish

Participants

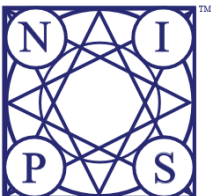
Submissions

Leaderboard



Eye-robot
Organized by Reptiliens

Feb 01, 2016-Dec 31, 2016



TA DAH!



My CompetitionsHelpguy

Competition

Admin features

EditParticipantsSubmissions



Iris

Secret url: https://competitions.codalab.org/competitions/15464?secret_key=986fce59-096a-4555-9319-a9f027894496

Organized by guyon - Current server time: Nov. 27, 2016, 9:01 p.m. UTC

Previous	▶ Current	End
Development	Final	Competition Ends
Nov. 19, 2016, 10:20 p.m. UTC	Nov. 22, 2016, 10:20 p.m. UTC	Never

Learn the Details

PhasesParticipateResultsPublic SubmissionsForums ➔

Overview

Evaluation

Terms and Conditions

Iris

Brought to you by ChaLearn

The famous Iris classification problem of Sir Ronald Fisher

This challenge was generated using chalab.



CodaLab



Admin functions

My Competitions

Edit Participants Submissions Dumps



Iris

Secret url: https://codalab.iri.fr/competitions/76?secret_key=6995bf8c-f3ee-428c-b318-084eb484ca19

Organized by Div_Kal - Current server time: Nov. 12, 2017, 9:29 a.m. UTC

Current

Development

Oct. 22, 2017, 6:53 p.m. UTC

Next

Final

April 30, 2018, 6:53 p.m. UTC

Learn the Details Phases Participate **Results** Public Submissions Forums

Development

Final

Phase description

Development phase: create models and submit them or directly submit results on validation and/or test data; feed-back are provided on the validation set only.

Max submissions per day: 5

Max submissions total: 100

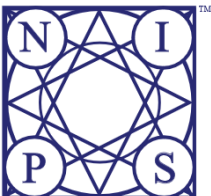


Download CSV

Download all submissions on leaderboard

Results

#	User	Entries	Date of Last Entry	Prediction score ▲	Duration ▲	Detailed Results
1	Div_Kal	4	11/12/17	-1.0000 (1)	0.00 (1)	View



Editor

CodaLab

My Competitions Help Div_Kal

Edit Competition

[Go Back to Competition Homepage](#)

[Download original YAML file](#)

[Help](#)

General Information

Title:

Description:

Queue:

(don't change this unless you have a reason to, default/empty is fine)

☒ Disallow leaderboard modifying

☒ Force submission to leaderboard

Logo: Currently: [logos/76/888b2/iris_logo.jpg](#)
Change:

No file selected.

☐ Registration Required

End Date (UTC):

☐ Publicly Available

☐ Enable medical image viewer

☒ Enable detailed results

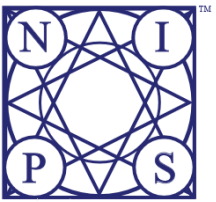
Admins:

Hold down "Control", or "Command" on a Mac, to select more than one.

☒ Show datasets from yaml

Reward:

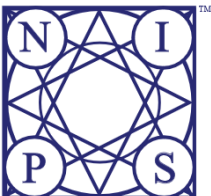
Hot changes!



Codalab v1.5

- **Wizard: ChaLab (beta)** <https://chalab.lri.fr>
- **Dumps**
- **Personal compute workers**
- **Dockers**
- **Ingestion program**

Documentation on Wiki <https://github.com/codalab/codalab-competitions/wiki/>
[DOC-URL]



Student challenges

<https://sites.google.com/a/chalearn.org/saclay/>



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PARIS-SACLAY

Projet M2 & L2
AIC 2017/2018

Mini Challenges 2018

Shared resources

Sitemap

View
Presentation



Paris-Saclay
Center for Data Science



CHA
LEARN

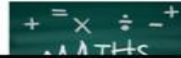


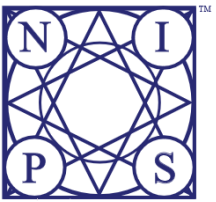
CodaLab



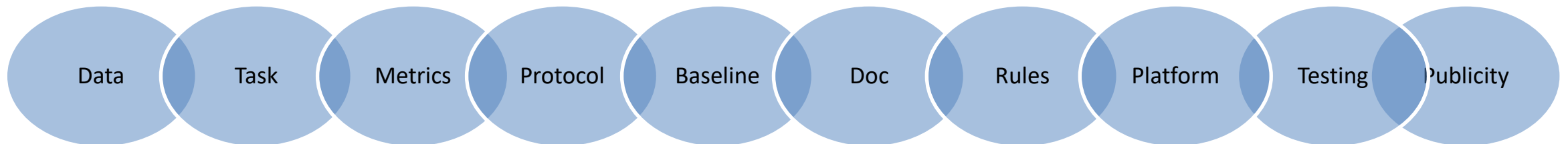
Microsoft

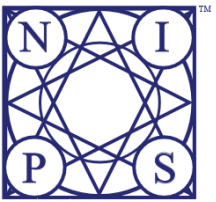
Mini Challenges 2018

Challenges (M2 students)	Abstract	Task
VISION 	Autonomous vehicles will become a common means of transportation very soon. However, obstacles remain to be overcome, in particular obstacle avoidance. This requires powerful computer vision algorithms. In this challenge you will contribute to solve the problem of recognizing animals and vehicles.	To illustrate this problematic, we propose to study the image source CIFAR-10 which groups entities that can interact with the vehicle environment like animals (cat, horse, dog, ...) and vehicles (bike, car, truck, ...). We preprocessed the images to you get to solve a multi-class classification problem from pre-computed features.
BIOMED 	Over-prescription of opioid medicines presents a new public health problem because many people have become addicted. This challenge asks you to help predicting which doctors tend to over-prescribe such medicines.	The data set contains a binary classification task. The target represents, for each medical prescription whether an opioid has been prescribed or not. The features represent, amongst others, the specialty of the doctor who made the prescription and the name of the non-opioid drugs present in this prescription.
FRIEND 	Predicting at which price a house will sell helps people selling their property at a fair price. This dataset contains house sale prices for King County,	This is a regression problem. The dataset contains 19 house features plus the price and the id columns, along with 21613 observations.



**Easy, but
not stronger than
its weakest link**





<http://chalab.lri.fr/>

Chalab (beta)
Machine Learning Challenges Creator

Home Profile Groups Logout

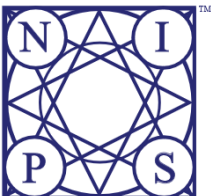
+ Create a New "M2AIC" Challenge

+ Create a New Challenge

Your challenges:

Here you'll see your challenges.

Image	Title:	Group:	Organizer:	Created At:	Updated At:	Edit:	Status:	Build:	Download:	Delete:
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Chalab (beta)

Machine Learning Challenges Creator

[Home](#)[Profile](#)[Groups](#)[Logout](#)

Iris

From group : M2AIC

Organized by ChaLearn

The well known Iris dataset from Fisher's classic paper (Fisher, 1936).

[Edit](#)

Created: Nov. 12, 2017, 12:31 a.m.

Last change: Nov. 12, 2017, 12:36 a.m.

Challenge Definition:



1. Data

Define your data



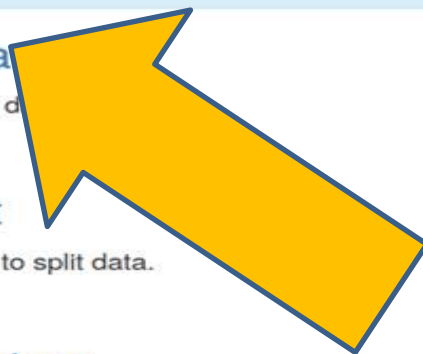
2. Split

Define how to split data.



3. Problem

Define the ingestion program.





Metric page

Iris

1. Data

2. Split

3. Problem

4. Metric

5. Protocol

6. Baseline

7. Documentation

Recap

[< Previous](#)

[Next >](#)

4. Metric Definition Complete

Name of the metric function:

mse_metric

Description:

Mean-square error

Code:

```
1 #Example of organizer-provided metric.
2 #You can just replace this code by your own.
3 #Make sure to indicate the name of the function that you chose as metric function
4 #in the file metric.txt. E.g. mse_metric, because this file may contain more
5 #than one function, hence you must specify the name of the function that is your metric.
6
7 import numpy as np
8 import scipy as sp
9
10 def mse_metric(solution, prediction):
11     '''Mean-square error.
12     Works even if the target matrix has more than one column'''
13     mse = np.mean((solution-prediction)**2)
14     return np.mean(mse)
15
```

Use a Public Metric:

Load

Load one of your Metrics

No metrics yet...

Load your Metric from a file:

Browse...

No file selected.

Load

Save



Iris

From group : M2AIC
Organized by ChaLearn

The well known Iris dataset from Fisher's classic paper (Fisher, 1936).

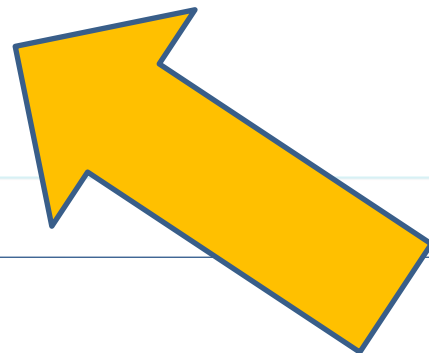
[Edit](#)

Created: Nov. 12, 2017, 12:31 a.m.

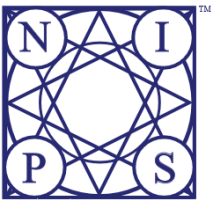
Last change: Nov. 12, 2017, 12:50 a.m.

Challenge Definition:

- ✓ **1. Data**
Define your data set.
- ✓ **2. Split**
Define how to split data.
- ✓ **3. Problem**
Define the ingestion program.
- ✓ **4. Metric**
Define the metrics.
- ✓ **5. Protocol**
Define the protocol.
- ✓ **6. Baseline**
Define the baseline.
- ✓ **7. Documentation**
Document your challenge.
- ✓ **Package & Publish**
Package & Publish your challenge.

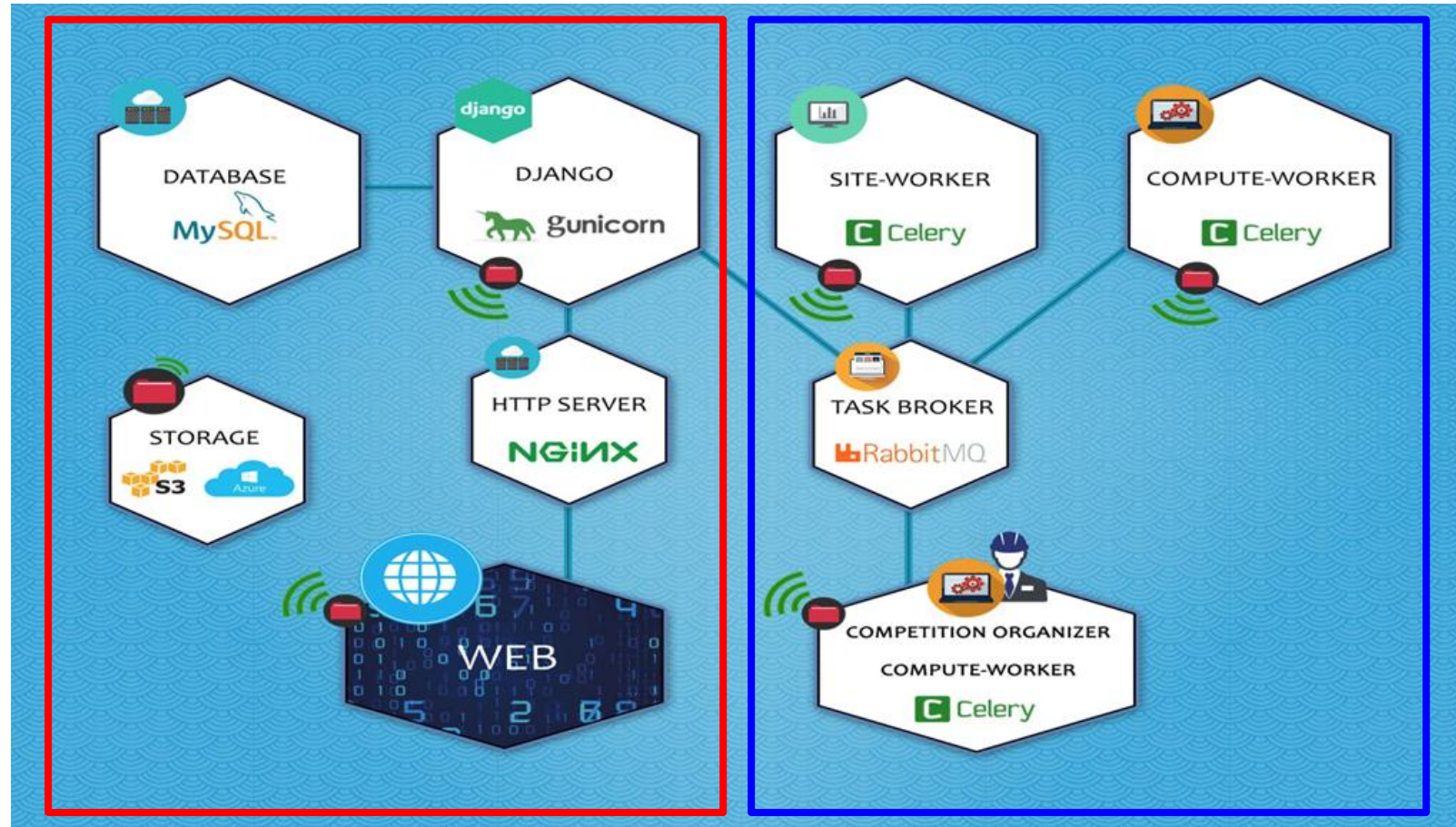


**Compile
bundle**



Your own compute workers

Front end

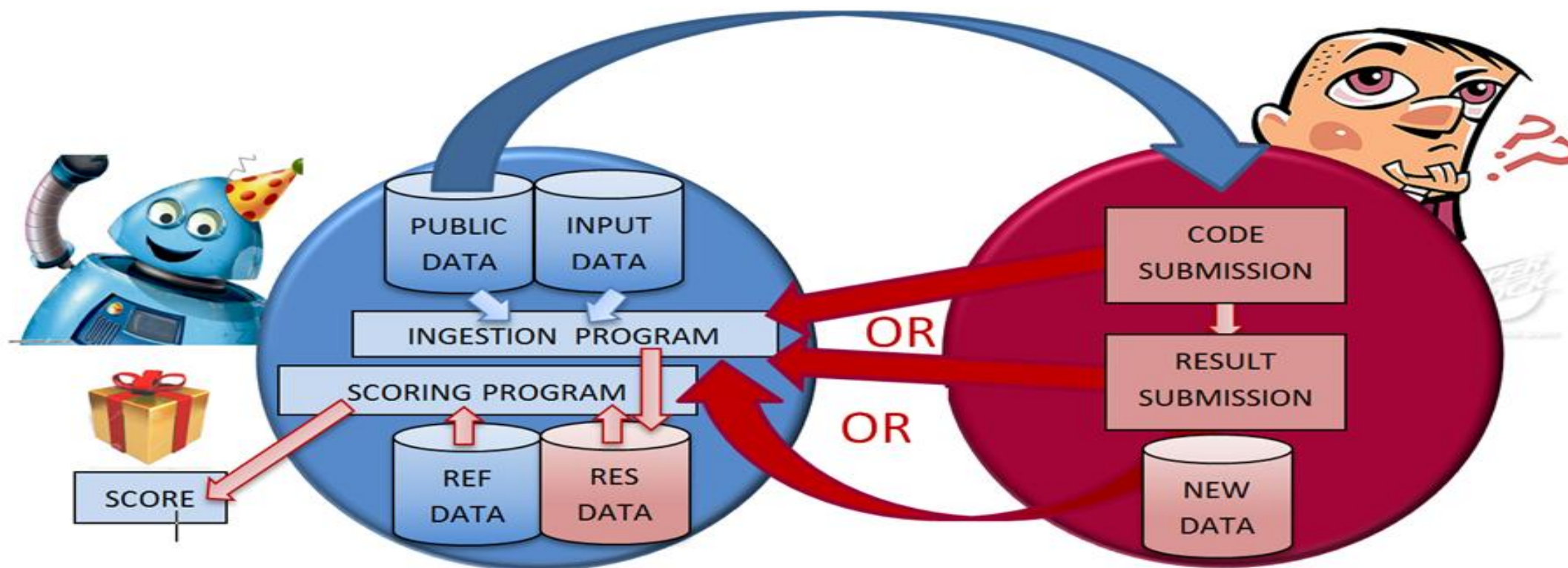


Back end

[DOC-URL]/[User Using-your-own-compute-workers](#)



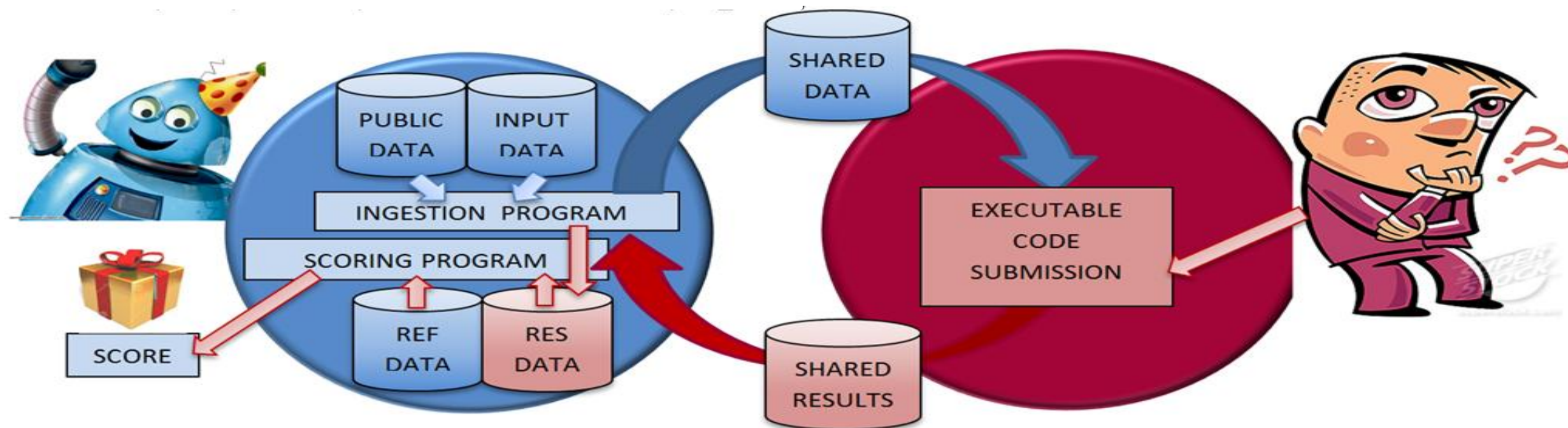
Ingestion program



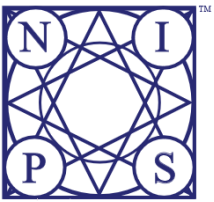
[DOC-URL]/[User Building-an-Ingestion-Program-for-a-Competition](#)



Interactive tasks (e.g. RL)



[DOC-URL]/[User Building-an-Ingestion-Program-for-a-Competition](#)



Codalab competitions

~150 public competitions during last 4 years



Microsoft COCO Image Captioning Challenge
Organized by tl483

This challenge evaluates algorithm that predicts the sentence which best describes an image.

Mar 15, 2015-*No end date*

546 participants



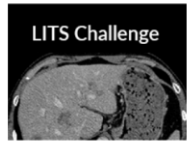
ChaLearn Automatic Machine Learning Challenge (AutoML)
Organized by automl.chalearn

Create a fully Automatic Machine Learning solution, capable of building models without ANY human intervention.

Dec 08, 2014-Jun 25, 2016

679 participants

USD \$30,000 reward



LiTS - Liver Tumor Segmentation Challenge
Organized by PatrickChrist

The liver is a common site of primary (i.e. originating in the liver like hepatocellular carcinoma, HCC) or secondary ...

Dec 01, 2016-*No end date*

724 participants



ChaLearn Looking at People 2014 - Track 3: Gesture Recognition
Organized by xbaro

Recognizing gestures drawn from a vocabulary of Italian sign gesture categories. The emphasis of this track is on multi-modal automatic ...

Feb 09, 2014-May 28, 2014

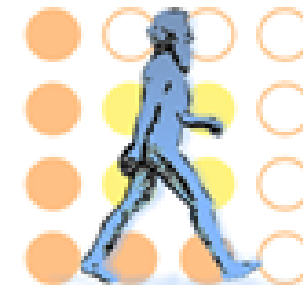
263 participants

- ChaLearn is a non-profit organization focusing on challenges organization in Machine Learning

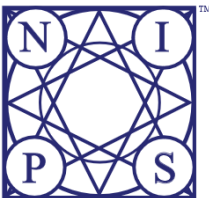


<http://chalearn.org>

- ChaLearn Looking at People (ChaLearn LAP) is a branch of ChaLearn focusing on *Human Analysis*.



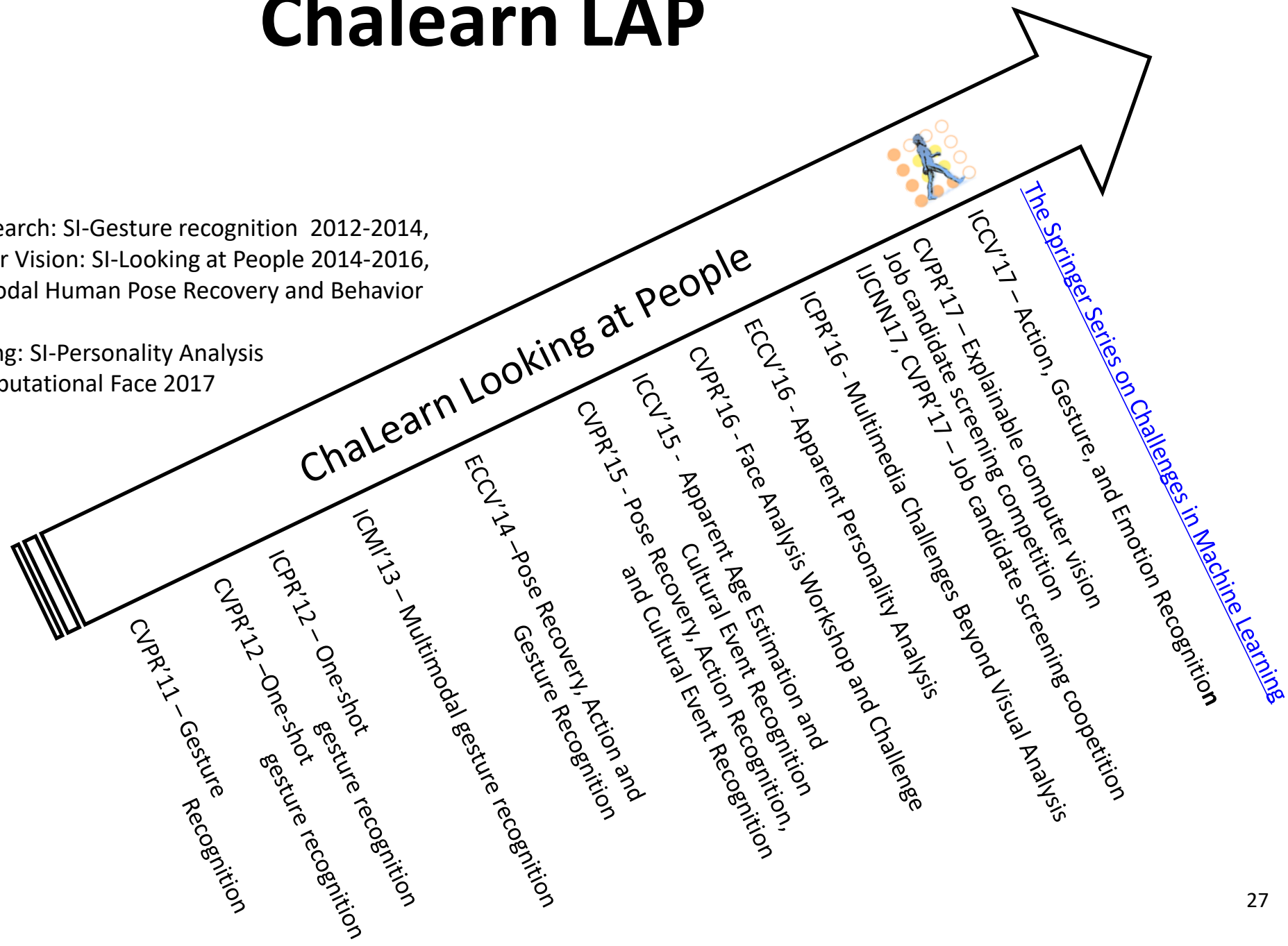
<http://chalearnlap.cvc.uab.es/>



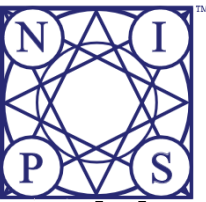
Chalearn LAP

Associated special issues:

- Journal of Machine Learning Research: SI-Gesture recognition 2012-2014,
- International Journal of Computer Vision: SI-Looking at People 2014-2016,
- IEEE Trans. on PAMI: SI-Multi-modal Human Pose Recovery and Behavior 2016-2017
- IEEE Trans. on Affective Computing: SI-Personality Analysis
- IEEE Trans. on PAMI: SI-The Computational Face 2017



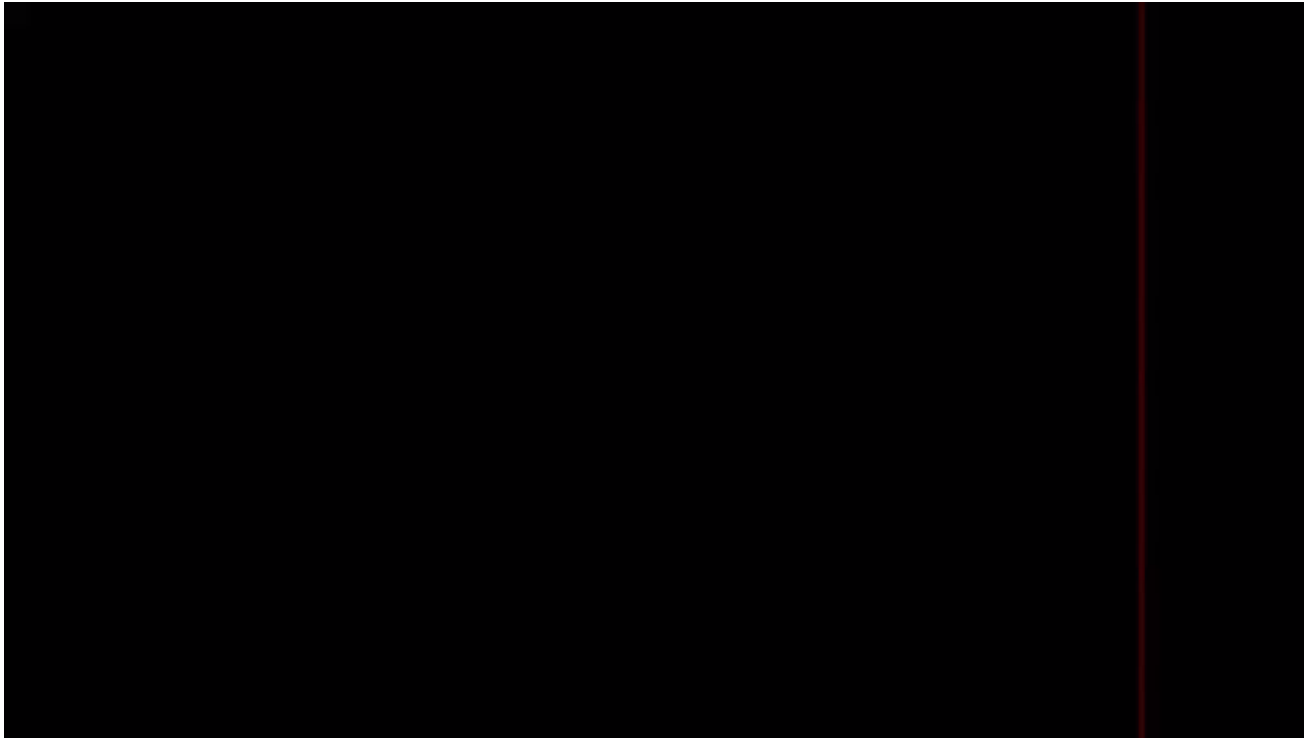
Chalearn LAP – Montalbano multimodal gesture recognition



Microsoft



Chalearn Looking at People



- ✓ ECCV'14 – Pose Recovery, Action and Gesture Recognition
- ✓ ICMI'13 – Multimodal gesture recognition
- ✓ ICPR'12 – One-shot gesture recognition
- ✓ CVPR'12 – One-shot gesture recognition
- ✓ CVPR'11 – Gesture Recognition

- +14,000 gestures,
- 20 Italian sign gesture categories,
- RGB, depth, audio, subject mask and skeleton information,
- ~1.7M manually labeled frames

• Sergio Escalera, Jordi González, Xavier Baró, Miguel Reyes, Oscar Lopés, Isabelle Guyon, Vassilis Athitsos, Hugo J. Escalante, [Multi-modal Gesture Recognition Challenge 2013: Dataset and Results](#), Chalearn Multi-Modal Gesture Recognition Workshop, International Conference on Multimodal Interaction, ICMI, 2013.

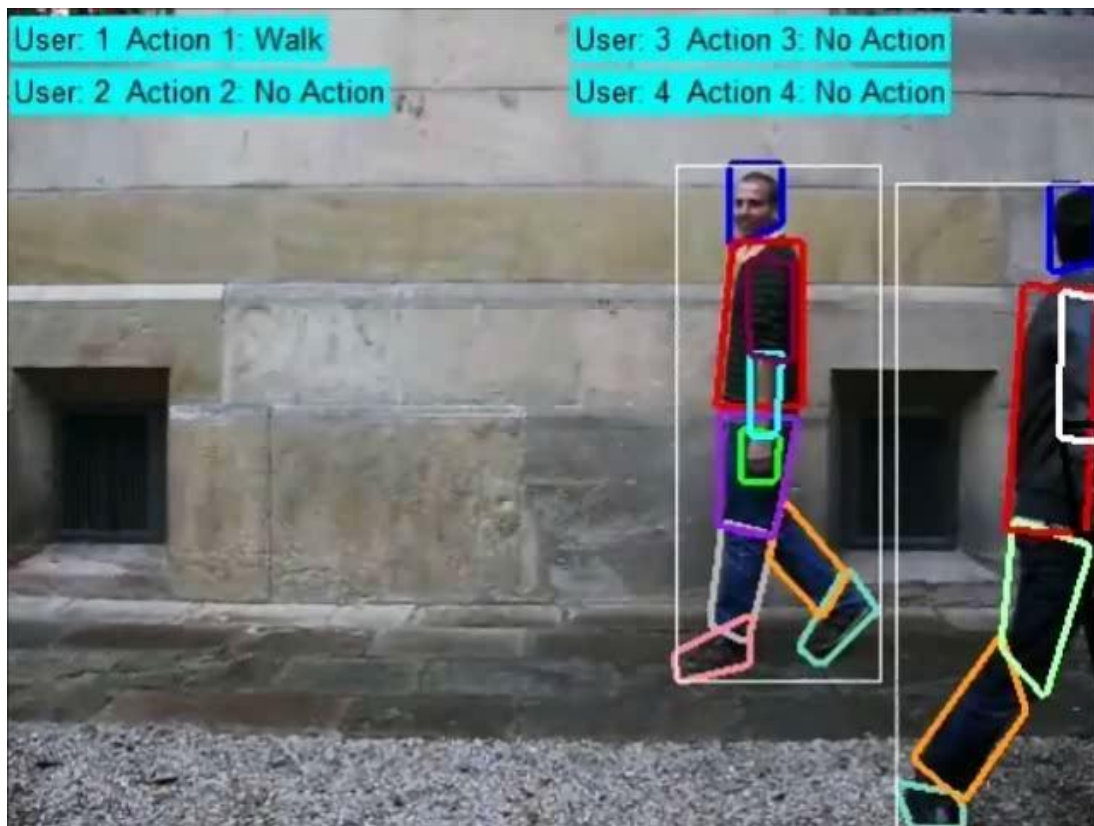
• Sergio Escalera, Xavier Baró, Jordi González, Miguel A. Bautista, Meysam Madadi, Miguel Reyes, Víctor Ponce, Hugo J. Escalante, Jamie Shotton, Isabelle Guyon, [Chalearn Looking at People Challenge 2014: Dataset and Results](#), Chalearn Looking at People, European Conference on Computer Vision, 2014.



Chalearn LAP – Action, interaction and poses



ChaLearn Looking at People



✓ ECCV'14 –Pose Recovery, Action and Gesture Recognition

- 7 action categories,
- 4 interaction categories,
- RGB, pose and pixel labeling precision information,
- ~8K labeled frames,
- 14 limb labels.

•Sergio Escalera, Xavier Baro, Jordi Gonzalez, Miguel A. Bautista, Meysam Madadi, Miguel Reyes, Víctor Ponce, Hugo J. Escalante, Jamie Shotton, Isabelle Guyon, [ChaLearn Looking at People Challenge 2014: Dataset and Results](#), ChaLearn Looking at People, European Conference on Computer Vision, 2014.
•D. Sánchez, and J.C. Ortega, and M.A. Bautista, [Human Body Segmentation with Multi-limb Error-Correcting Output Codes Detection and Graph Cuts Optimization](#), 6th Iberian Conference on Pattern Recognition and Image Analysis, IBPRIA, Madeira, Portugal, 2013. Selected paper for Neurocomputing.



Chalearn LAP – Cultural event recognition

- ✓ ICCV'15 - Apparent Age Estimation and Cultural Event Recognition
- ✓ CVPR'15 - Pose Recovery, Action Recognition, and Cultural Event Recognition
- 100 cultural events,
- +27 countries around the world,
- 28K labeled RGB data.



•Sergio Escalera, Junior Fabian, Pablo Pardo, Xavier Baro, Jordi Gonzalez, Hugo Escalante, Dusan Misevic, Ulrich Steiner, Isabelle Guyon, ChaLearn Looking at People 2015: Apparent Age and Cultural Event Recognition datasets and results, ChaLearn Looking at People workshop, ICCV, 2015.

•Xavier Baro, Jordi Gonzalez, Junior Fabian, Miguel A. Bautista, Marc Oliu, Hugo J. Escalante, Isabelle Guyon, Sergio Escalera, [ChaLearn Looking at People 2015 challenges: action spotting and cultural event recognition](#), CVPR workshops, 2015.

ChaLearn Looking at People



Chalearn LAP – Apparent age estimation



Chalearn Looking at People

- ✓ CVPR'16 - Face Analysis Workshop and Challenge
- ✓ ICCV'15 - Apparent Age Estimation and Cultural Event Recognition

Input						
Cropped Face						
GT Real	24.00	30.00	25.00	31.00	29.00	18.00
GT Apparent	28.84	34.30	30.11	33.05	34.84	26.16

- 8K images each displaying an individual,
- Labels consisting of,
 - Real and apparent age,
 - Gender,
 - Smile/no-smile,
 - Wearing accessories.

•Eirikur Agustsson, Radu Timofte, Sergio Escalera, Xavier Baro, Isabelle Guyon, Rasmus Rothe, Apparent and real age estimation in still images with deep residual regressors on APPA-REAL database, FG, 2017. **FG 2017 one of the best papers award**

•Sergio Escalera, Junior Fabian, Pablo Pardo, Xavier Baro, Jordi Gonzalez, Hugo Escalante, Dusan Misevic, Ulrich Steiner, Isabelle Guyon, ChaLearn Looking at People 2015: Apparent Age and Cultural Event Recognition datasets and results, ChaLearn Looking at People workshop, ICCV, 2015.

Chalearn LAP – Faces of the world: accessories and gender recognition



- ✓ CVPR'16 - Face Analysis Workshop and Challenge
 - 25,000 images collected from flickr

Accessory	Train	Validation	Test
Hat	1151	608	869
Headband	243	109	193
Glasses	1232	614	828
Earrings	770	389	592
Necklace	615	300	559
Tie	151	72	220
Scarf	256	137	256

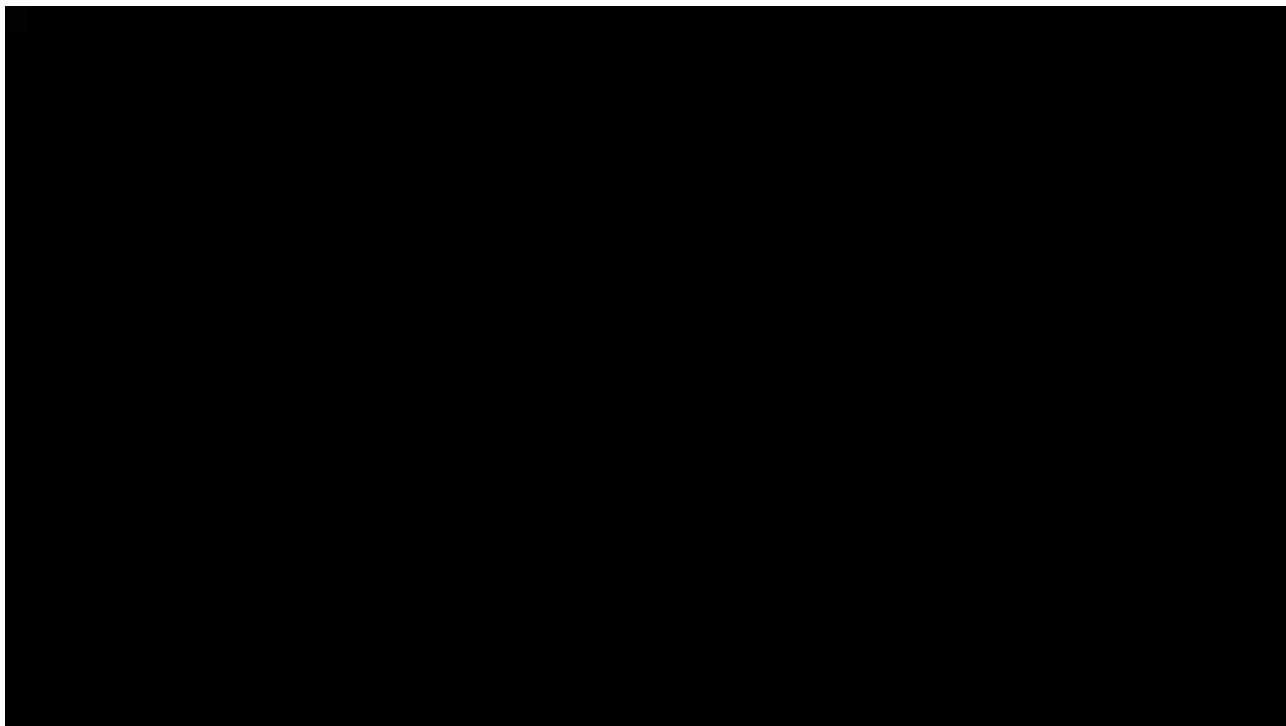
Attribute	Train	Validation	Test
Male	2946	1691	4614
Female	3318	1361	3799
Smile	2234	1969	4411
No Smile	3937	1117	3849

- Sergio Escalera, Mercedes Torres-Torres, Brais Martinez, Xavier Baró, Hugo Jair Escalante, Isabelle Guyon, Georgios Tzimiropoulos, Ciprian Corneou, Marc Oliu Simón, Mohammad Ali Bagheri, Michel Valstar, [ChaLearn Looking at People and Faces of the World: Face Analysis Workshop and Challenge 2016](#), CVPRW, CVPR, 2016.

Chalearn LAP – Apparent personality

NIPS 2016 Demo

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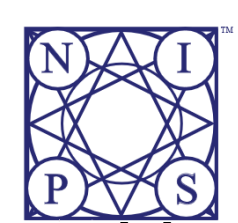


- ✓ CVPR'17 – Explainable computer vision and Job candidate screening competition
- ✓ IJCNN17, CVPR'17 – Job candidate screening competition
- ✓ ICPR'16 - Multimedia Challenges Beyond Visual Analysis
- ✓ ECCV'16 - Apparent Personality Analysis



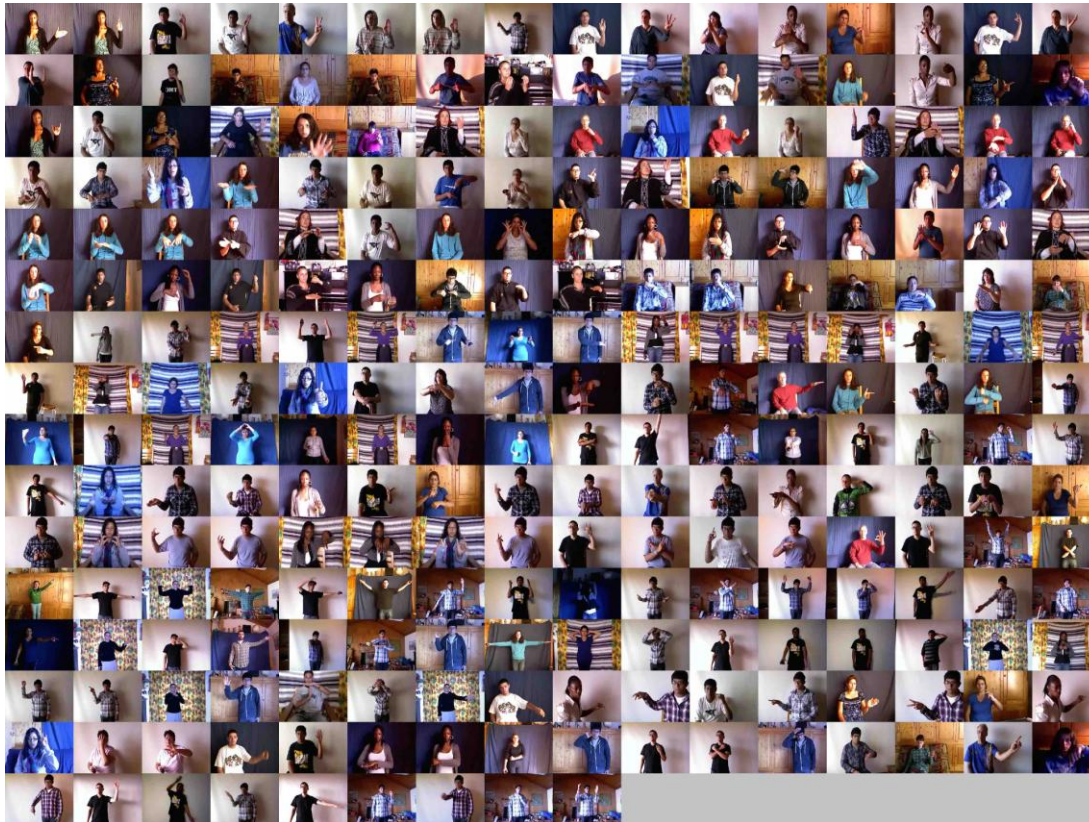
- +10K 15s video,
- **Big five** personality traits,
- Video transcription.

• Víctor Ponce-López, Baiyu Chen, Marc Oliu, Ciprian Corneanu, Albert Clapés, Isabelle Guyon, Xavier Baró, Hugo Jair Escalante, Sergio Escalera, ChaLearn LAP 2016: First Round Challenge on First Impressions – Dataset and Results, ChaLearn Apparent Personality Analysis workshop, ECCV, 2016.



Chalearn LAP – Sign gesture recognition

✓ ICCV 2017



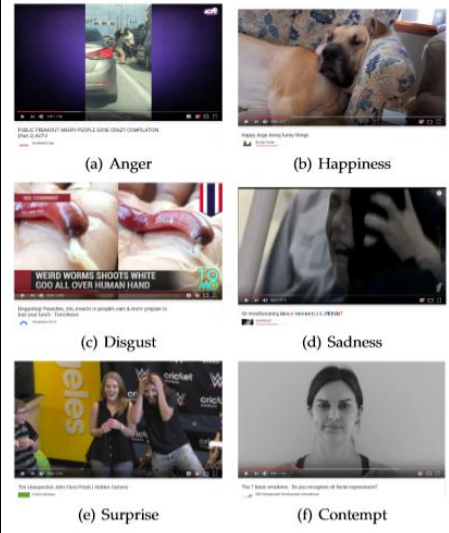
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Chalearn LAP – Real-fake emotion recognition

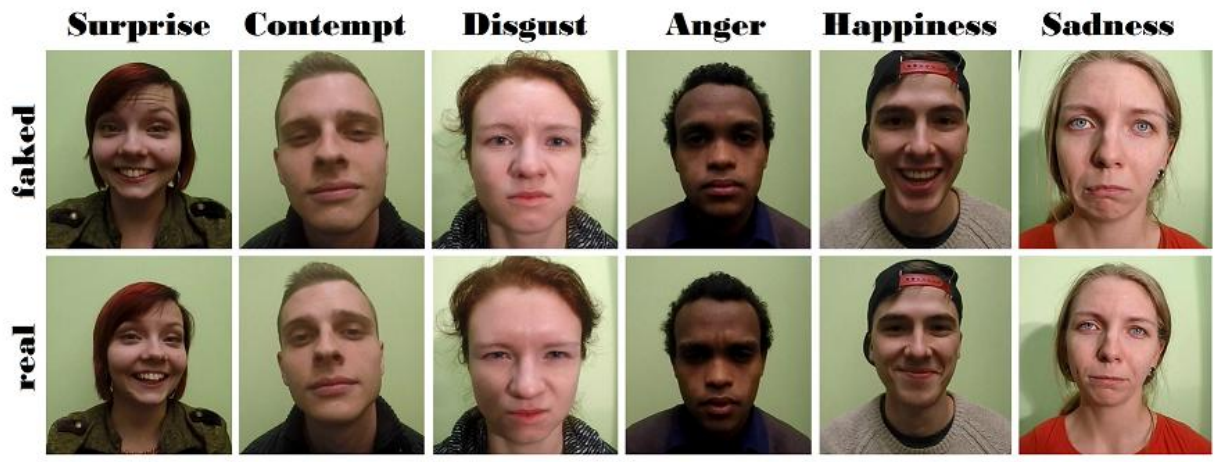
✓ ICCV 2017

- Recognition of fakeness of an emotion
- Recognition of fake/true specific emotion
- 6 basic emotions
- 100FPS

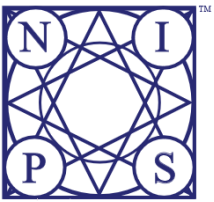


SASE-FE Dataset

Sets	# Labels	# Videos	# Performers
Training	12	480	40
Validation	12	60	5
Test	12	60	5
Total	12	600	50



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Springer series on Challenges in Machine Learning

- <http://www.springer.com/series/15602>



The books of this innovative series collect papers written by successful competitions in machine learning. They also include analyses of the challenges, tutorial material, dataset descriptions, and pointers to data and software. Together with the websites of the challenge competitions, they offer a complete teaching toolkit and a valuable resource for engineers and scientists.

Book: First NIPS '17 Competition

- Competitions volume chapter submission 15th January, 2018
- Book chapter acceptance notification 15th March, 2018
- Camera ready submission 15th April, 2018
- Tentative publication of the book 1st July, 2018

Info: sergio.escalera.guerrero@gmail.com

<https://cmt3.research.microsoft.com/User/Login?ReturnUrl=%2FCTSP2017%2FSubmission%2FManage>



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<http://chalearnlap.cvc.uab.es/>

ICNN and ECCV 2018 Inpainting and caption removal competition and workshop (pending acceptance)



Inpainting of human parts in still images



Removing captions from videos

IEEE WORLD CONGRESS ON
COMPUTATIONAL INTELLIGENCE
8-13 July 2018, Rio de Janeiro, Brazil

ECCV 2018
European Conference
on Computer Vision
8 - 14 September 2018 | Munich, Germany

ICPR 2018 Multimedia Information Processing for Personality and Social Networks
Analysis contest and workshop (pending acceptance) by ChaLearn Looking At People,
MediaEval, and ImageCLEF

IAPR ICPR 2018
INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION
In Beijing, China - August 20th-24th 2018

Handwritten texts for Personality Identification

Bueno yo soy un chico que le gusta divertirse
pero toda la vida de cada cosa, y lo malo
intento analizarlo y dar una solución. Me gusta mucho
a la gente y apoyarlo si puedo, me gusta el fútbol
las mujeres y la música y hacer amigos
me encantan las redes y los recuerdos de mi
mejor si me cuestan esfuerzos.

Information fusion for social image retrieval and diversification

Hundreds of Flickr image query results (>500 queries) with: images, social
metadata (e.g., description, number of comments, tags, etc.), descriptors for
visual, text, social information (e.g. user tagging credibility), deep learning
features, expert annotations for image relevance and diversification (i.e.
clustering of images according to the similarity of their content).



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Thank you!

If you want to use codalab and need support, or you want to propose a challenge being sponsored by ChaLearn please contact us!

admin@chalearn.org

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<http://chalearnlap.cvc.uab.es/>

Codalab

Open source: **<https://github.com/codalab/codalab-competitions>**

Public instance: **<https://competitions.codalab.org/>**