PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

PASCAL Virtual Learning Space

Mitja Jermol
Jozef Stefan Institute

VIDEOLECTURES.net
EXCHANGE IDEAS / SHARE KNOWLEDGE

Outlook of the talk

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Current status on Pascal videolectures
  - Visit statistics
  - Who is visiting us?
  - What we have in there?
  - Pascal course builder - demo
- Future, plans, potentials

Videolectures.net

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

http://videolectures.net/pascal/

Mozilla Firefox Start Page | VideoLectures - exchange ideas ...

VIDEOLECTURES.net
EXCHANGE IDEAS / SHARE KNOWLEDGE

Log in | Register |

Search

60 events, 905 authors, 1256 lectures, 1647 videos

HOME | MOST POPULAR | LATEST LECTURES | CATEGORIES | EVENTS | PEOPLE | INTERVIEWS | TUTORIALS | CONTACT US

FEATURED LECTURES:

Dirichlet Processes, Chinese Restaurant Processes, and all that
Michael I. Jordan
3 comments

Introduction to Learning Theory
Olivier Bousquet

Markov Chain Monte Carlo Methods
Christian Robert 1 comment

Adaptive Mesh Compression in 3D Computer Graphics using Multiscale Manifold Learning
Sridhar Mahadevan

Introduction and overview of FMRI concepts and terminology
John-Dylan Haynes

RECENT EVENTS: more

ABI '07 - Whistler
NIPS '07 Workshop on Approximate Bayesian Inference in Continuous/Hybrid Models
Deterministic (variational) techniques are used all over Machine Learning to approximate Bayesian inference for continuous- and hybrid-variable problems. In contrast ...

EML '07 - Whistler
NIPS '07 Workshop on Efficient Machine Learning
The ever increasing size of available data to be processed by machine learning algorithms has yielded several approaches, from online ...

MBC '07 - Whistler
NIPS '07 Workshop on Music, Brain and Cognition
Music is one of the most widespread of human cultural activities, existing in some form in all cultures throughout the ...

AOP '07 -Bertinoro
The Analysis of Patterns

Project summary - PASCAL NOe

PASCAL LECTURE SERIES

PASCAL - Pattern Analysis, Statistical Modelling and Computational Learning

The objective is to build a Europe-wide Distributed Institute which will pioneer principled methods of pattern analysis, statistical modelling and computational learning as core enabling technologies for multimodal interfaces that are capable of natural and seamless interaction with and among individual human users.
more information >>>

NEWS:

Synchronized Slide rendering

We just started testing a new way of rendering slides in synchronized lectures. There are some rough edges still to fix, but in general the new functionality should work at least on Firefox and Internet Explorer.

For those of you, who are running Linux and Macs, we are preparing synchronized VLC streaming. Please be patient...

UPCOMMING EVENTS:

EPSRC Winter School 2008

21st - 25th January 2008
The University of Sheffield
Sir Henry Stephenson Building, Mappin Street, Sheffield, UK

BLOGS: more...

Text-Garden - Text-Mining Software Tools

CATEGORIES:

Arhitecture (2)
Arts (22)
Biology (23)
Business (38)
Chemistry (12)
Computers (12)
Computer Science (1199)
Economics (5)
Education (2)
Environment (8)
Events (30)
History (2)
Law (8)
Mathematics (66)
Medicine (21)
Physics (3)
Psychology (2)
Science (7)
Society (27)
Technology (4)

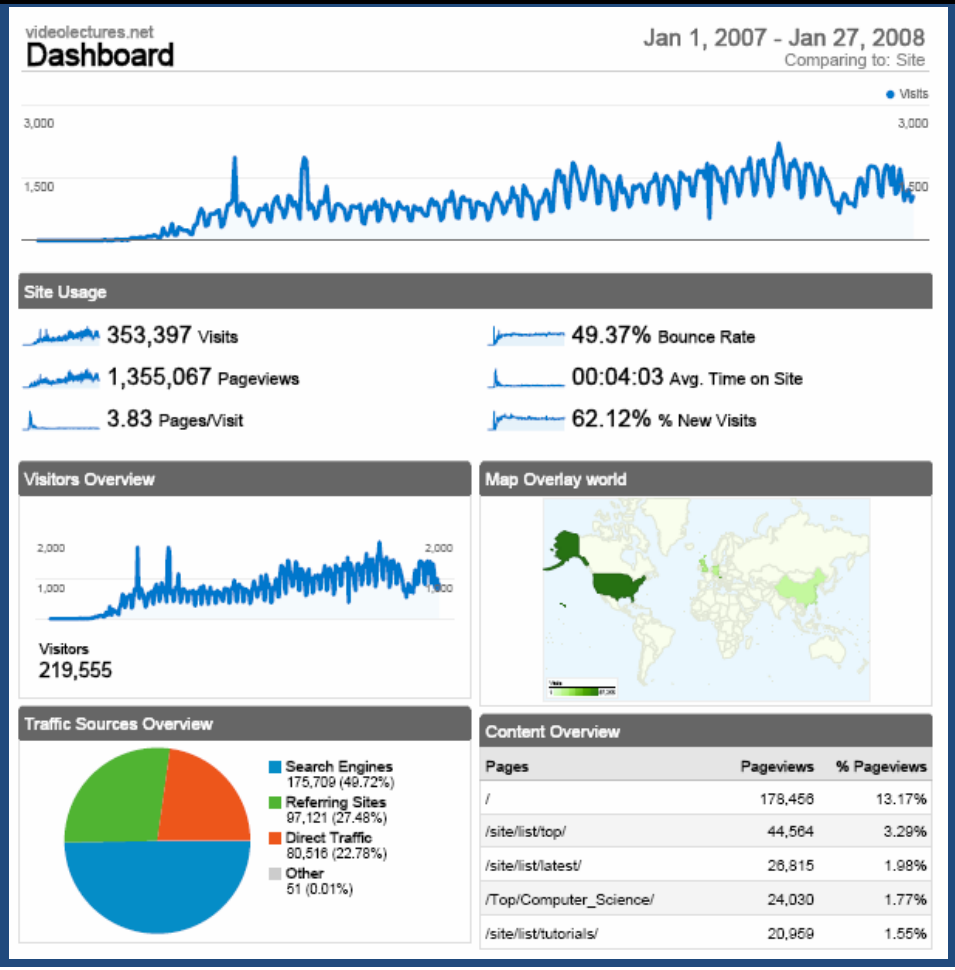
FEATURED VIDEO: more

EEG Coupling, Granger Causality and Multivariate Autoregressive Models
Alois Schlögl

FEATURED INTERVIEWS: more

VIDEOLECTURES.net
EXCHANGE IDEAS / SHARE KNOWLEDGE

General info



1261 registered users

Pascal events:
60 events,
905 authors,
1256 lectures (1647 videos)

133 events
2030 authors
2316 lectures (3348 videos)

Mostly content from other EU co-funded projects

https://www.google.com/analytics/reporting/maps?id=2259030&pdr=20070101-20080127&cmp=average

Mozilla Firefox Start Page | Map Overlay - Google Analytics

353,397 visits came from 184 countries/territories

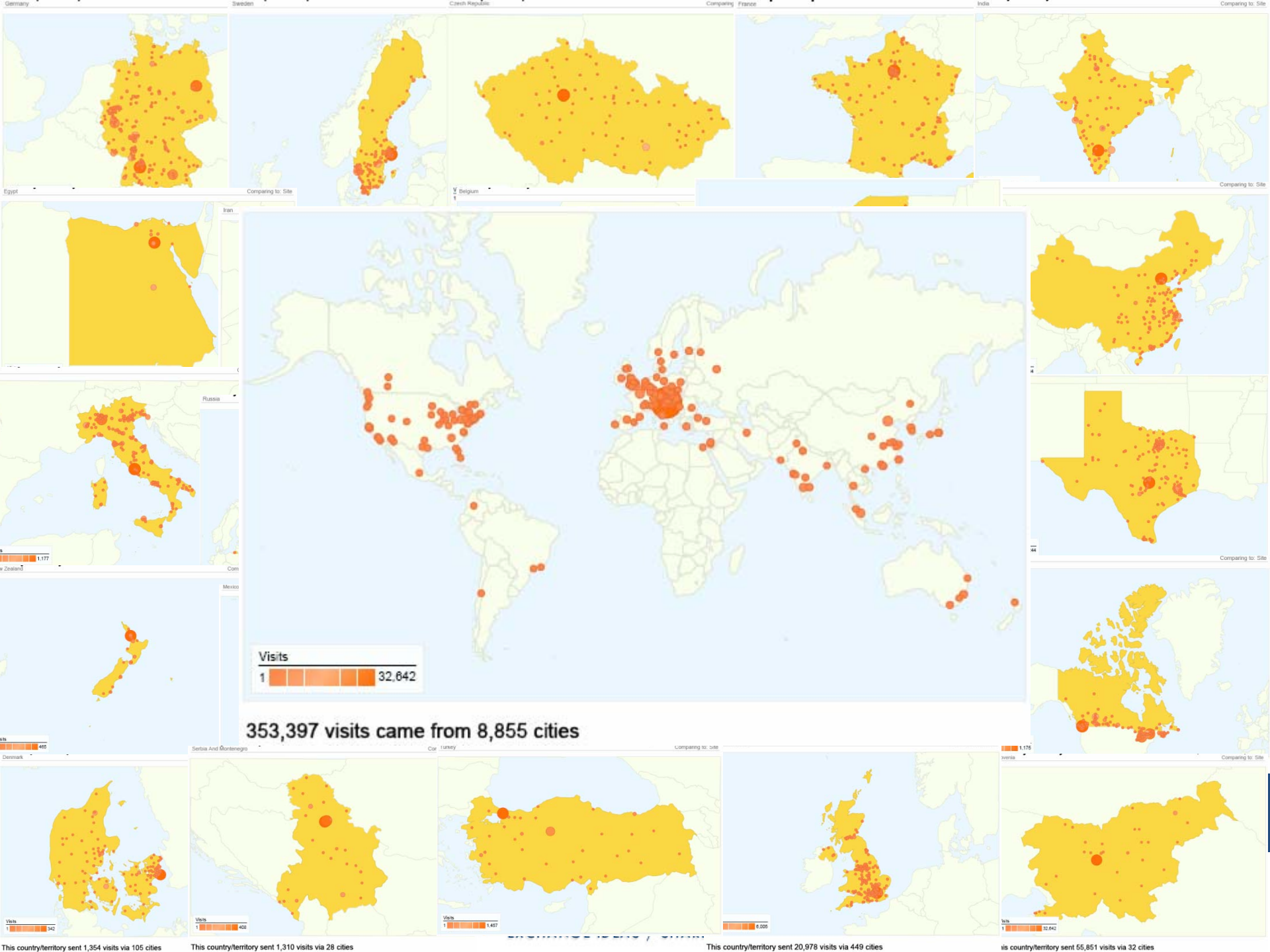
Detail Level: City | Country/Territory | Sub Continent Region | Continent Segment: Choose...

Site Usage | Goal Conversion Views:

Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
353,397	3.83	00:04:03	62.16%	49.37%
% of Site Total: 100.00%	Site Avg: 3.83 (0.00%)	Site Avg: 00:04:03 (0.00%)	Site Avg: 62.12% (0.07%)	Site Avg: 49.37% (0.00%)

	Country/Territory	Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
1.	United States	87,255	3.47	00:03:41	65.67%	50.32%
2.	Slovenia	55,851	4.69	00:04:20	66.16%	53.99%
3.	United Kingdom	20,978	3.84	00:03:58	60.39%	47.07%
4.	Germany	18,477	4.26	00:04:40	52.67%	43.06%
5.	China	13,941	3.97	00:05:38	52.14%	44.58%
6.	India	13,037	3.58	00:03:59	69.08%	48.12%
7.	France	11,380	3.88	00:04:16	55.85%	43.72%
8.	Japan	10,849	3.53	00:04:07	44.77%	50.90%
9.	Canada	10,633	3.55	00:03:43	68.16%	48.99%
10.	Italy	7,952	3.91	00:03:47	64.75%	48.05%
11.	Spain	6,297	3.97	00:04:06	59.50%	46.09%
12.	Netherlands	5,806	3.91	00:04:14	62.47%	47.80%
13.	Australia	5,271	3.58	00:04:10	62.34%	48.47%
14.	South Korea	4,498	4.43	00:04:58	51.20%	42.42%
15.	Turkey	3,719	3.62	00:03:30	61.28%	48.10%
16.	Switzerland	3,627	3.90	00:04:03	53.82%	44.72%
17.	Poland	3,300	3.19	00:03:09	52.73%	57.00%
18.	Belgium	3,132	3.95	00:03:41	57.98%	44.80%
19.	Taiwan	3,132	3.46	00:03:45	54.25%	52.97%
20.	Brazil	3,129	3.38	00:04:09	67.15%	49.19%
21.	Singapore	3,123	3.84	00:04:20	49.12%	45.34%
22.	Austria	3,109	3.60	00:03:47	57.90%	47.93%
23.	Israel	2,982	4.48	00:04:19	65.06%	43.23%
24.	Sweden	2,672	4.01	00:04:13	59.47%	48.39%
25.	Hong Kong	2,464	3.79	00:04:39	48.74%	47.52%

Find Country/Territory: containing Go Go to: 1 Show rows: 25 1 - 25 of 184


Germany
Sweden
Czech Republic
France
India
Egypt
Belgium
Iran
Russia
Mexico
Denmark
Serbia And Montenegro
Turkey
Comparing to: Site
Visits
1
32,642
353,397 visits came from 8,855 cities
This country/territory sent 1,354 visits via 105 cities
This country/territory sent 1,310 visits via 28 cities
This country/territory sent 20,978 visits via 449 cities
This country/territory sent 55,851 visits via 32 cities

219555 Unique Visitors

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

videolectures.net
Length of Visit

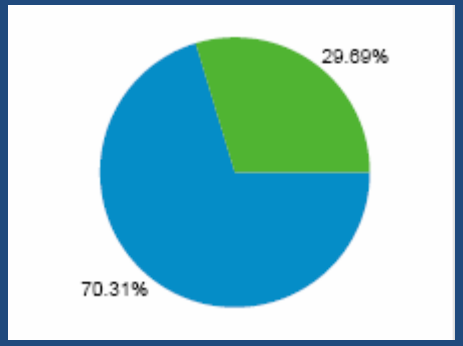
Jan 1, 2007 - Jan 27, 2008
Comparing to: Site

Most visits lasted: 0-10 seconds

Length of Visit	Visits	Percentage of all visitors
0-10 seconds	190,441	53.89%
11-30 seconds	23,112	6.54%
31-60 seconds	20,855	5.90%
61-180 seconds	38,752	10.97%
181-600 seconds	39,784	11.26%
601-1,800 seconds	30,226	8.55%
1,801+ seconds	10,227	2.89%

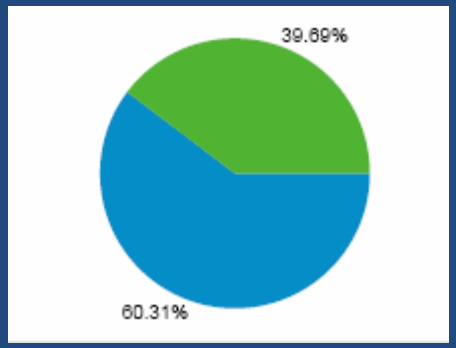
Depth of Visit	Visits	Percentage of all visitors
1 pages	174,458	49.37%
2 pages	55,130	15.60%
3 pages	32,086	9.08%
4 pages	18,923	5.35%
5 pages	14,030	3.97%
6 pages	9,944	2.81%
7 pages	8,031	2.27%
8 pages	6,147	1.74%
9 pages	4,969	1.41%
10 pages	3,868	1.09%
11 pages	3,303	0.93%
12 pages	2,703	0.76%
13 pages	2,348	0.66%
14 pages	1,891	0.54%
15 pages	1,730	0.49%
16 pages	1,427	0.40%
17 pages	1,219	0.34%
18 pages	1,032	0.29%
19 pages	997	0.28%
20+ pages	9,161	2.59%

Sept 07



New Visitor
Returning Visitor

Jan 08



https://www.google.com/analytics/reporting/referring_sources?id=2259030&pdr=20070101-20080127&cmp=average

Content
Goals

Settings
Email

Help Resources
About this Report
Conversion University
Common Questions
Report Finder

Referring sites sent 97,121 visits via 3,072 sources

Segment: Source

Site Usage | Goal Conversion

Views:

Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
97,121	4.21	00:04:43	56.98%	41.12%
% of Site Total: 27.48%	Site Avg: 3.83 (9.89%)	Site Avg: 00:04:03 (16.44%)	Site Avg: 62.12% (-8.28%)	Site Avg: 49.37% (-16.70%)

	Source	Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
1.	stumbleupon.com	11,663	1.98	00:01:35	93.05%	30.83%
2.	seminars.ijs.si	5,016	7.38	00:08:20	31.26%	21.03%
3.	freescienceonline.blogspot.com	4,755	3.59	00:04:20	48.26%	50.07%
4.	en.wikipedia.org	4,249	3.94	00:05:03	64.11%	43.19%
5.	oregonstate.edu	3,065	4.53	00:05:43	29.95%	30.47%
6.	del.icio.us	3,063	3.63	00:04:06	61.87%	44.73%
7.	pascal-network.org	2,303	7.30	00:07:26	32.78%	25.88%
8.	aaai.org	2,161	3.49	00:04:51	66.64%	49.28%
9.	hunch.net	1,997	4.30	00:05:37	40.91%	39.36%
10.	google.com	1,957	4.07	00:04:18	55.39%	48.24%
11.	mail.google.com	1,630	5.05	00:07:31	46.20%	37.18%
12.	kdnuggets.com	1,598	5.56	00:06:42	51.00%	26.53%
13.	cs.cmu.edu	1,432	3.57	00:04:04	37.99%	56.08%
14.	freevideolectures.com	1,239	4.69	00:04:17	71.11%	28.65%
15.	inference.phy.cam.ac.uk	1,222	4.41	00:05:19	54.91%	50.41%
16.	programming.reddit.com	1,209	2.31	00:02:15	53.10%	71.05%
17.	sigkdd.org	995	4.44	00:06:36	53.37%	33.07%
18.	agbs.kyb.tuebingen.mpg.de	810	3.34	00:03:58	14.07%	54.69%
19.	kdd.org	787	4.79	00:07:11	45.24%	23.89%
20.	machine-learning.blogspot.com	738	3.82	00:04:30	52.44%	44.31%
21.	dzone.com	689	2.55	00:02:41	62.55%	56.75%
22.	mlss.cc	682	4.72	00:05:27	25.81%	26.69%
23.	images.google.com	637	3.59	00:03:11	75.04%	37.99%
24.	ct3.ijs.si	583	11.27	00:12:49	16.81%	28.64%
25.	it-eye.nl	555	3.14	00:02:07	47.03%	52.97%

Find Source: containing Go Go to: 1 Show rows: 25 1 - 25 of 3,072

Content

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

videolectures.net
Content by Title

Jan 1, 2007 - Jan 27, 2008
Comparing to: Site

30,942 page titles were viewed a total of 1,355,067 times

Content Performance

Pageviews	Unique Pageviews	Time on Page	Bounce Rate	% Exit	$ Index
1,355,067 % of Site Total: 100.00%	985,813 % of Site Total: 100.00%	00:01:26 Site Avg: 00:01:26 (0.00%)	49.37% Site Avg: 49.37% (0.00%)	26.08% Site Avg: 26.08% (0.00%)	$0.00 Site Avg: $0.00 (0.00%)

Page Title	Pageviews	Unique Pageviews	Time on Page	Bounce Rate	% Exit	$ Index
VideoLectures - exchange ideas & share knowledge	180,220	115,153	00:01:19	31.17%	27.87%	$0.00
(not set)	60,307	41,221	00:00:36	37.48%	8.83%	$0.00
VideoLectures: Top lectures	49,776	35,638	00:00:59	36.96%	13.27%	$0.00
VideoLectures: Latest additions	32,426	24,630	00:00:51	29.25%	11.55%	$0.00
Videolectures category: Computer Science	17,839	10,695	00:00:25	29.98%	6.04%	$0.00
VideoLectures: Tutorials	17,625	13,704	00:00:53	36.17%	15.48%	$0.00
Machine Learning, Probability and Graphical Models	14,583	10,818	00:02:58	58.30%	38.77%	$0.00
Basics of probability and statistics	13,354	9,837	00:02:57	56.08%	30.55%	$0.00
Videolectures category: Top	13,336	8,230	00:00:17	20.02%	4.59%	$0.00
Statistical Learning Theory	12,648	9,554	00:02:22	56.88%	30.89%	$0.00
VideoLectures: Events	9,821	6,410	00:00:47	38.00%	12.83%	$0.00
VideoLectures: Authors	9,766	6,908	00:00:55	39.64%	14.82%	$0.00
9th Machine Learning Summer School	8,078	5,174	00:01:21	38.14%	22.78%	$0.00
The 13th International Conference on Knowledge Discovery and Data Mining	7,868	4,910	00:01:20	30.17%	20.37%	$0.00
Videolectures category: Machine Learning	7,760	4,726	00:00:42	26.77%	7.42%	$0.00
Fuzzy Logic	7,242	5,582	00:03:05	67.25%	49.81%	$0.00
Pascal - VideoLectures	7,141	4,925	00:00:58	20.57%	20.00%	$0.00
Support Vector Machines	6,731	5,237	00:03:04	61.35%	37.48%	$0.00
Probabilistic Graphical Models	6,544	5,051	00:02:30	60.44%	37.78%	$0.00
ICML 2007 - PRELIMINARY VIDEOS FROM THE SPOT	6,477	3,815	00:01:27	37.34%	26.73%	$0.00
Gaussian Process Basics	6,454	5,129	00:03:13	61.83%	42.04%	$0.00
VideoLectures: Interviews	6,122	4,793	00:00:40	29.80%	9.25%	$0.00
ICML 2007 - The 24th Annual International Conference on Machine Learning	5,640	3,531	00:01:25	34.30%	35.37%	$0.00
Videolectures category: Mathematics	5,472	3,624	00:00:24	33.59%	4.88%	$0.00
Force, law and the prospects of survival	5,091	3,790	00:02:53	40.88%	37.52%	$0.00
Learning with Kernels	4,975	4,095	00:02:01	46.97%	25.11%	$0.00
Prevajalni sistem Presis	4,764	4,235	00:01:04	81.75%	79.76%	$0.00
Tutorials	4,497	2,811	00:00:38	33.33%	10.36%	$0.00
VideoLectures: Welcome to Videolectures.net LIVE	4,213	2,841	00:02:45	53.72%	43.44%	$0.00
PASCAL Bootcamp in Machine Learning	4,166	2,336	00:01:06	27.79%	14.23%	$0.00
Some Mathematical Tools for Machine Learning	4,105	3,419	00:02:15	52.34%	40.78%	$0.00
A short Tutorial on Semantic Web	4,062	3,368	00:02:45	66.33%	40.40%	$0.00
Where the Social Web Meets the Semantic Web	3,746	2,917	00:03:09	69.71%	44.31%	$0.00
A Tutorial Introduction to Stochastic Differential Equations: Continuous-time Gaussian Markov Processes	3,519	2,849	00:02:43	63.29%	37.43%	$0.00
Dirichlet Processes, Chinese Restaurant Processes, and all that	3,502	2,854	00:02:39	64.70%	38.64%	$0.00
VideoLectures: Troubleshooting Video FAQ	3,472	3,203	00:02:27	83.96%	43.26%	$0.00
Boosting	3,453	2,746	00:02:56	65.74%	43.09%	$0.00
Semisupervised Learning Approaches	3,420	2,831	00:03:14	66.26%	37.98%	$0.00
Sign up:	3,312	1,701	00:00:53	20.00%	7.49%	$0.00
Research Tracks	2,921	1,374	00:01:02	32.88%	11.61%	$0.00
Introduction to Kernel Methods	2,875	2,254	00:02:28	51.96%	34.23%	$0.00
Log in	2,874	1,893	00:00:24	33.59%	6.40%	$0.00
Interview with Tim Berners Lee	2,802	2,218	00:02:50	71.77%	36.19%	$0.00
Solomonovi seminarji	2,791	1,883	00:01:23	53.52%	31.74%	$0.00
Generative Models for Visual Objects and Object Recognition via Bayesian Inference	2,706	2,060	00:02:52	56.36%	33.30%	$0.00
Introduction to kernel methods	2,703	2,031	00:02:53	59.18%	33.44%	$0.00
Videolectures category: Computers	2,631	1,782	00:00:11	13.16%	1.22%	$0.00
Learning from the Masters: Understanding Ontologies found on the Web	2,627	1,999	00:02:24	57.86%	30.83%	$0.00
Graphical models	2,598	1,786	00:03:11	59.91%	34.49%	$0.00
Machine Learning Summer School 2006 - Taipei	2,575	1,542	00:01:02	36.91%	12.19%	$0.00

1 - 50 of 30,942

Winners

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

Rank	Author's Name	view #	lec #
1	Sam Roweis	7800	4
2	Mikaela Keller	5887	2
3	Bernhard Schölkopf	5368	12
4	John Shawe-Taylor	4418	11
5	Marko Grobelnik	3263	39
6	David MacKay	2893	1
7	Alexander J. Smola	2855	11
8	Chih-Jen Lin	2853	3
9	Noam Chomsky	2803	4
10	Olivier Bousquet	2795	4
11	Michael Berthold	2561	1
12	Tom Mitchell	2543	3
13	Jure Leskovec	2353	12
14	Fei-Fei Li	2297	2
15	Zoubin Ghahramani	1984	5
16	York Sure	1968	4
17	Tom Gruber	1732	3
18	Isabelle Guyon	1696	10
19	Chris Williams	1680	4
20	Usama Fayyad	1581	3

Rank	Author's Name	view #	lec #
18	Isabelle Guyon	1696	10
19	Chris Williams	1680	4
20	Usama Fayyad	1581	3
21	Chris Burges	1461	2
22	Michael I. Jordan	1427	1
23	John Langford	1419	17
24	Carl Edward Rasmussen	1331	3
25	Pedro Domingos	1294	5
26	Eric Xing	1188	4
27	Jon Kleinberg	1098	2
28	Robert Schapire	1028	3
29	Ulrike von Luxburg	1008	3
30	Kamal Nigam	927	3
31	Seth Bullock	913	16
32	Joaquin Quiñonero Candela	857	6
33	Mike Tipping	851	1
34	Cynthia Rudin	832	1
35	Andrew Blake	827	2
36	Gunnar Rätsch	811	7
37	Christopher Bishop	805	1
38	William Cohen	801	1
39	Christos Faloutsos	797	4
40	Bijan Parsia	756	2
41	Brian Kulis	726	2
42	Yee Whye Teh	724	1
43	Tim Berners Lee	711	2
44	Partha Niyogi	672	3
45	Thomas Hofmann	671	3
46	Božo Repe	643	4
47	Barney Pell	612	1
48	Colin de la Higuera	593	6
49	Jean-Philippe Vert	565	5
50	Elad Yom Tov	552	1
51	Marina Meila	538	3
52	Edwin Hancock	535	4
53	Dunja Mladenic	523	14
54	Josh Tenenbaum	521	1
55	Thorsten Joachims	516	5
56	Jana Kolar	506	1
57	Michael Witbrock	501	5
58	Nada Lavrac	496	12
59	Nicolò Cesa-Bianchi	492	8
60	Pavel Berkhin	491	3
61	Bettina Berendt	483	2
62	Christian Robert	478	1
63	Florence d'Alché	458	6
64	Samy Bengio	439	8
65	Vladimir Vapnik	427	2
66	Blaž Fortuna	421	6
67	Kemija	417	3
68	Lise Getoor	413	7
69	Bernardo Cuenca Grau	407	1
70	Jiawei Han	406	2

Rank	Author's Name	view #	lec #
71	Nicol Schraudolph	405	2
72	Frank van Harmelen	393	5
73	Satinder Singh	391	1
74	Mico Mrkaic	391	1
75	Peter L. Bartlett	389	3
76	Mikhail Belkin	381	5
77	Manfred Opper	374	6
78	Antal van den Bosch	367	1
79	Mark Girolami	367	3
80	Jennifer Neville	365	1
81	Lieven Vandenberghe	365	1
82	Andraž Tori	362	3
83	Richard E. Neapolitan	362	1
84	John Elder	361	3
85	Anastasia Krithara	360	2
86	László Györfi	360	1
87	Adam Kalai	353	3
88	Rich Caruana	352	8
89	David Mease	351	1
90	Nello Cristianini	351	5
91	Tomaž Pisanski	349	5
92	Sofia Garcia	348	1
93	Elisa Ricci	338	2
94	Gene Golub	327	1
95	Martin J. Wainwright	324	2
96	Sanjoy Dasgupta	322	2
97	Klaus-Robert Müller	321	4
98	Michael Littman	321	1
99	Doug Cutting	317	1
100	Ricardo Baeza-Yates	311	5

VIDEOLECTURES.NET
EXCHANGE IDEAS / SHARE KNOWLEDGE

What the visitors are saying?

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Came across this site that has a vast collection of lectures that have been video taped and can be freely viewed. It is like going to a lecture at your nearest university without having to find a parking space. Most of the videos are in the Computer Science category. I found some cool stuff on machine learning.
- Awesome website. A great way to enhance your knowledge from these lectures. There are many video lectures.
- Больше всего в сети видеолекций о компьютерах и математике. Для сравнения: на сайте videolectures.net, который первым появляется при соответствующем запросе в Google, 724 лекции о компьютерах и 20 — об искусстве. Видеоресурс на русском языке — math.ru Уже из названия ясно, что никаких растений здесь не найти — только законы Кеплера, хроматические числа и «Некоторые задачи планиметрии».
- **VideoLectures.net** หายไปซะนานสุดๆ เพราะไปเขียนที่ inmo-daily ซะเป็นส่วนใหญ่ และก็ยังไม่มีอะไรน่าสนใจจังๆ ให้มาเขียนที่นี่ วันนี้ไปอ่านข่าวใน blognone เกี่ยวกับชาวนาจีนที่สร้างหุ่นยนต์ลากรถได้ ทำให้เจอเว็บ videolectures.net จากข่าวอีกที ผู้สร้างเว็บนี้รวบรวม video การสอนเอาไว้ให้สามารถเข้าไปดูได้ฟรี และมีเอกสารประกอบการสอนให้ด้วย เนื้อหาส่วนใหญ่ยังเป็นเกี่ยวกับ Computer Science ซะเป็นส่วนใหญ่ ซึ่งเหมาะสำหรับคนที่ต้องการรู้เรื่องใหม่ๆ แต่ขี้เกียจอ่านเองอย่างเช่นเรา และคนที่ต้องการทบทวนความรู้แต่ขี้เกียจอ่านเอง (อีก) อย่างเช่นเราเป็นต้น ลองเข้าไปฟังของ Michael Berthold ชาวเยอรมัน ที่พูดเกี่ยวกับ Fuzzy Logic แล้วก็พบว่าเราน่าจะฟังภาษาอังกฤษสำเนียงเยอรมันได้อย่างไม่เป็นปัญหานักนะ
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□UC□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□VideoLectures.net □□VideoLectureNet□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□YouTube□□□□□□□□□□□□□□□□□□□

VIDEOLECTURES.net
EXCHANGE IDEAS / SHARE KNOWLEDGE

What the visitors are saying?

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

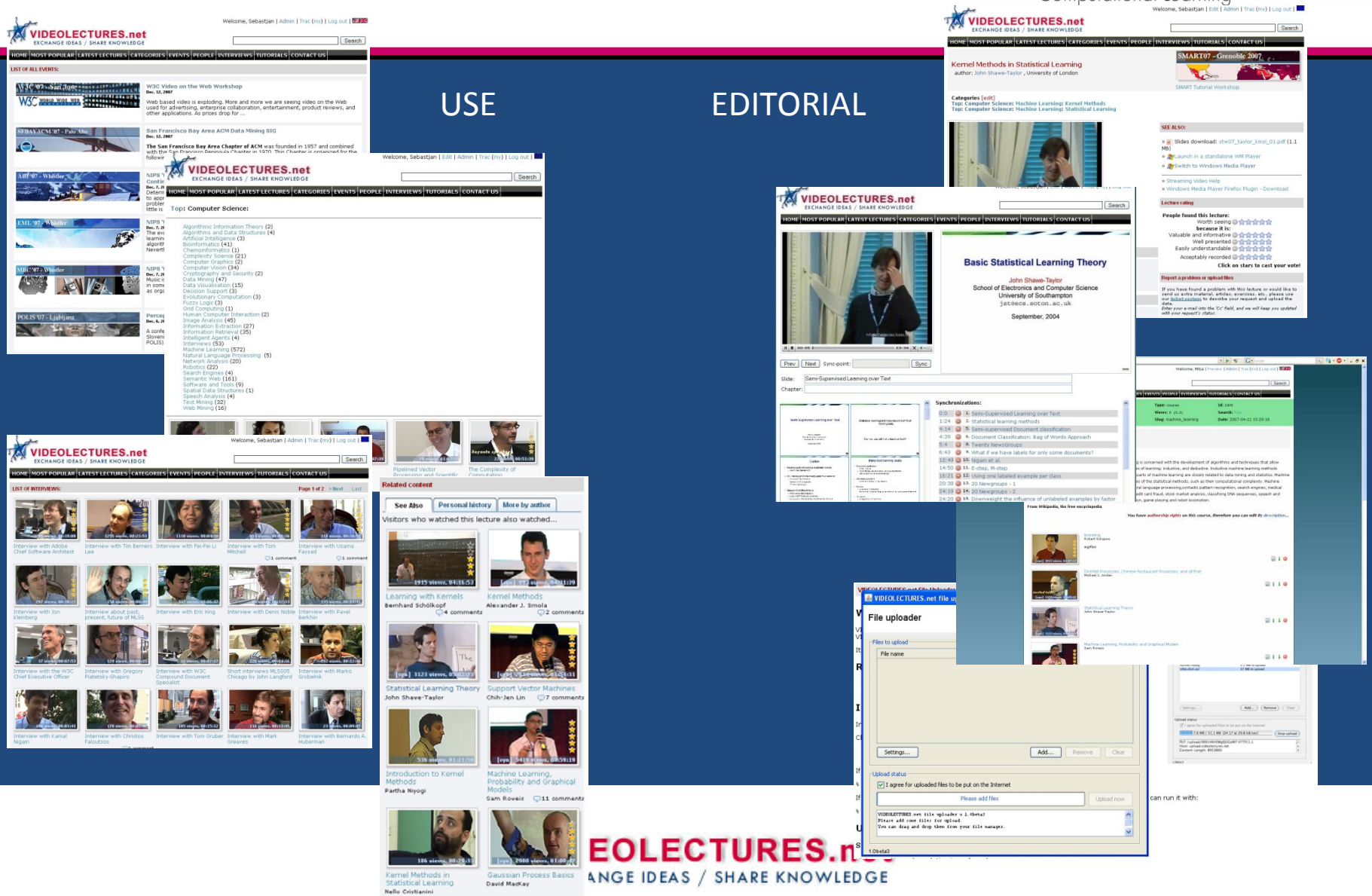
- theses lectures are veri interesting for african and midle-east researchers who can niot attend conferences in USA or Europe, Many Thanks
- I enjoyed every minute of this great lecture. This should be a mandatory AI educational piece, and I will recommend it to everyone who I know is interested in the subject.
- Mmh.... part 1, 3 and 4... I miss one? Where is it?
- Lot of noise of someone eating?
- may I have academic cooperation with you as I have to screen as many as 10^(16) small molecule compound library to find a drug and I need to develop new algorithm on it. Dr. Richard Wu, National Institute of Health
- This is the longest description of an artefact that I have ever seen, where the "artefact" is the appearance of negative probability in response to an approximation that was made earlier in the calculation. There are many different things that are all called "probability", such as Bayesian probability (non-negative by definition), frequentist probability (non-negative by definition), estimated probability, etc. It is no big deal that estimated probability can be negative.

What's in there?

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

USE

EDITORIAL



can run it with:

Towards the Pascal virtual learning space

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Free, science focused, high quality lecturers
- Holistic virtual learning space
  - Pragmatic, user-friendly approach
  - Web based learning combining different methods and services
  - Social community of scientists, innovators
  - Idea/solution market
  - Training courses aligned with Pascal curriculum
    - … supported by contents in different modalities
    - … courses as extension to other curriculum i.e. Collaborative networks
- Interlinking/sharing with similar initiatives/repositories
- Self-sustainable community

Plan for the next period I

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- New services
  - Virtual university – direct streaming
    - Common shared traditional lectures schedule
    - Direct streaming
  - Course building support – self learning
    - Linked to the curriculum
    - Using other content modalities (several repositories)
    - IMS supported
  - Generated personal competence pages in relation to IST-World
- Content management
  - Post-processing and editorial processes optimisation
    - Shortening the time and collaboration support
    - Web applications
  - Upload
    - Editorial board to decide about the quality of the content and videos

Plan for the next period II

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Populate with content from other domains
  - Related to computer science and cognitive science
    - Complexity science,
    - ICT for business,
    - AI,
    - Psychology and medicine,
    - Linguistics
    - …
- Extend current target groups to:
  - ML for businesses
  - Popular science
  - Secondary schools (promotion)
- Connecting (integrating) with other similar repositories (talks with more than 10 scientific centers in Europe)

Course builder

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Jozef Stefan Institute
- Universitat Politècnica de Catalunya
- University College London
- University Jean Monnet

- Idea
  - functionalities to support course authoring and use as an enhancement to the existing http://videolectures.net/pascal/website
  - introduction course on ML
  - plan for providing the missing content for the completition of the curriculum

VIDEOLECTURES.net
EXCHANGE IDEAS / SHARE KNOWLEDGE

Research options

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

- Mining videos
  - Scene/act definitions
  - Scene/act interlinking
  - Automatic classification and tagging
- Analysing visits (log files)
  - Visitors segmentation – content (interest) based

Questions?

PASCAL
Pattern Analysis, Statistical Modelling and Computational Learning

EXCHANGE IDEAS / SHARE KNOWLEDGE