

MIREX 2012 Evaluation Results

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Audio Train/Test: Mood Classification - MIREX08 Dataset

SubID	Participants	Accuracy
PP5	Renato Panda, Rui Pedro Paiva	0.68
WJ2	Ming-Ju Wu, Jyh-Shing Roger Jang	0.68
RW2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.67
JR1	Jia-Min Ren, Jyh-Shing Roger Jang	0.67
WJ1	Ming-Ru Wu, Jyh-Shing Roger Jang	0.67
RW1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.67
PP2	Renato Panda, Rui Pedro Paiva	0.66
SSKS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner	0.66
LBLJK1	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.65
PP1	Renato Panda, Rui Pedro Paiva	0.65
LBLJK2	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.65
PP3	Renato Panda, Rui Pedro Paiva	0.64
YCP1	Deshun Yang, Xiaou Chen, Liqun Peng	0.64
RW3	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.63
PP4	Renato Panda, Rui Pedro Paiva	0.62
PP6	Renato Panda, Rui Pedro Paiva	0.61
GT1	George Tzanetakis	0.60
PH1	Philippe Hamel	0.57
DM3	Franz de Leon, Kirk Martinez	0.47
DM4	Franz de Leon, Kirk Martinez	0.46

Audio Train/Test: Composer Classification - MIREX08 Dataset

SubID	Participants	Accuracy
LBLJK1	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.70
JR1	Jia-Min Ren, Jyh-Shing Roger Jang	0.69
SSKS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner	0.67
LBLJK2	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.66
WJ1	Ming-Ru Wu, Jyh-Shing Roger Jang	0.66
WJ2	Ming-Ju Wu, Jyh-Shing Roger Jang	0.65
DM3	Franz de Leon, Kirk Martinez	0.64
PH1	Philippe Hamel	0.62
PP1	Renato Panda, Rui Pedro Paiva	0.61
RW2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.61
RW1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.59
DM4	Franz de Leon, Kirk Martinez	0.57
PP2	Renato Panda, Rui Pedro Paiva	0.51
RW3	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.50
GT1	George Tzanetakis	0.47

Audio Tempo Estimation

SubID	Participants	P-Score
FW1	Fu-Hai Frank Wu	0.78
FW2	Fu-Hai Frank Wu	0.76
GP1	Geoffroy Peeters	0.75
FK2	Florian Krebs	0.75

Multi-F0 Estimation

SubID	Participants	Accuracy
KD2	Karin Dressler	0.64
KD1	Karin Dressler	0.64
BD1	Emmanouil Benetos, Simon Dixon	0.58
FBR1	Benoit Fuentes, Roland Badeau Gael Richard	0.56
CPG1	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.27
CPG2	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.27
CPG3	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.27

Audio Train/Test: Latin Classification - MIREX08 Dataset

SubID	Participants	Accuracy
RW2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.77
SSKS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner	0.76
WJ1	Ming-Ru Wu, Jyh-Shing Roger Jang	0.73
WJ2	Ming-Ju Wu, Jyh-Shing Roger Jang	0.72
JR1	Jia-Min Ren, Jyh-Shing Roger Jang	0.70
RW1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.69
PH1	Philippe Hamel	0.67
LBLJK1	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.66
LBLJK2	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.64
RW3	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.62
PP1	Renato Panda, Rui Pedro Paiva	0.61
PP2	Renato Panda, Rui Pedro Paiva	0.61
GT1	George Tzanetakis	0.60
DM3	Franz de Leon, Kirk Martinez	0.56
DM4	Franz de Leon, Kirk Martinez	0.53

Audio Train/Test: Genre Classification (Mixed)- MIREX08 Dataset

SubID	Participants	Accuracy
WJ1	Ming-Ru Wu, Jyh-Shing Roger Jang	0.76
WJ2	Ming-Ju Wu, Jyh-Shing Roger Jang	0.76
SSKS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner	0.75
PP1	Renato Panda, Rui Pedro Paiva	0.74
JR1	Jia-Min Ren, Jyh-Shing Roger Jang	0.74
RW1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.74
LBLJK1	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.74
LBLJK2	Shin-Cheol Lim, Karam Byun, Jong-Seol Lee, SEI-JIN JANG, Moo Young Kim	0.74
RW2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.73
PH1	Philippe Hamel	0.72
RW3	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.69
GT1	George Tzanetakis	0.68
PP2	Renato Panda, Rui Pedro Paiva	0.68
YCP2	Deshun Yang, Xiaou Chen, Liqun Peng	0.67
DM3	Franz de Leon, Kirk Martinez	0.61
DM4	Franz de Leon, Kirk Martinez	0.58

Real-time Audio to Score Alignment

SubID	Participants	Total Precision
CRVCC1	Julio Jose Carabias Ortí, Francisco Jose Rodriguez Serrano, Pedro Vera Candeas, Pablo Cabañas Molero, Francisco Jesus Canadas Quesada, Pablo Nicolas Ruiz Reyes	0.83
CC1	ChunTa Chen	0.67
YSK1	Ryuichi Yamamoto, Shinji Sako, Tadashi Kitamura	0.53

Audio Music Similarity

SubID	Participants	Avg. Fine Score
DM6	Franz de Leon, Kirk Martinez	36.18
DM7	Franz de Leon, Kirk Martinez	36.33
GT3	George Tzanetakis	44.87
JR2	Jia-Min Ren, Jyh-Shing Roger Jang	47.02
NHHL1	Byeong-jun Han, Kyogu Lee, Juhan Nam, Jorge Herrera	45.94
NHHL2	Byeong-jun Han, Kyogu Lee, Juhan Nam, Jorge Herrera	45.94
PS1	Dominik Schnitzer, Tim Pohle	53.14
RW4	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	50.00
SSKP1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Tim Pohle	52.64
SSKS2	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner	53.19

Audio Onset Detection

SubID	Participants	Avg. F-measure
SB1	Sebastian Böck	0.85
SB2	Sebastian Böck	0.83
BK1	Sebastian Böck, Florian Krebs	0.82
BK2	Sebastian Böck, Florian Krebs	0.82
CK6	Chang-hyun Kim, Sang-Hoon Oh, Soo-Young Lee, Wonil Chang	0.70
ME1	Martin Eckart	0.67
CK5	Chang-hyun Kim, Soo-Young Lee, Sang-Hoon Oh, Wonil Chang	0.64
CK3	Chang-hyun Kim, Wonil Chang, Sang-Hoon Oh, Soo-Young Lee	0.62
CK4	Chang-hyun Kim, Sang-Hoon Oh, Soo-Young Lee, Wonil Chang	0.58
CK2	Chang-hyun Kim	0.57

Audio Key detection

SubID	Participants	Weighted Key Score
GP5	Geoffroy Peeters	0.82
PMP6	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.81
JW1	Andreas Jansson, Tillman Weyde	0.80
PMP5	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.78
PMP4	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.75
GT4	George Tzanetakis	0.36

Symbolic Music Similarity

SubID	Participants	Avg. Fine Score (0-1)
DB1	Antonio de Carvalho Junior, Leonardo Batista	0.26
ULMS1	Julián Urbano, Juan Lloréns, Jorge Morato, Sonia Sánchez-Cuadrado	0.58
ULMS2	Julián Urbano, Juan Lloréns, Jorge Morato, Sonia Sánchez-Cuadrado	0.48
ULMS3	Julián Urbano, Juan Lloréns, Jorge Morato, Sonia Sánchez-Cuadrado	0.49
ULMS4	Julián Urbano, Juan Lloréns, Jorge Morato, Sonia Sánchez-Cuadrado	0.59
ULMS5	Julián Urbano, Juan Lloréns, Jorge Morato, Sonia Sánchez-Cuadrado	0.60

Multi-F0 Note Tracking - Mixed Dataset

SubID	Participants	Avg. F-measure Onset Only	Avg. Overlap
KD3	Karin Dressler	0.45	0.89
FBR2	Benoit Fuentes, Roland Badeau Gael Richard	0.39	0.89
BD2	Emmanouil Benetos, Simon Dixon	0.23	0.86
BD3	Emmanouil Benetos, Simon Dixon	0.23	0.85
CPG1	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.13	0.89
CPG2	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.13	0.86
CPG3	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.11	0.68
SB5	Sebastian Böck	0.09	0.80
Ft 1	Tiago Fernandes Tavares, George Tzanetakis	0.02	0.36

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Multi-F0 Note Tracking - Piano Only

SubID	Participants	Avg. F-measure Onset Only	Avg. Overlap
KD3	Karin Dressler	0.27	0.84
BD3	Emmanouil Benetos, Simon Dixon	0.19	0.80
FBR2	Benoit Fuentes, Roland Badeau Gael Richard	0.16	0.83
CPG3	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.16	0.80
CPG1	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.14	0.82
CPG2	Zhuo Chen, Danile P.W. Ellis Graham Grindlay	0.14	0.80
BD2	Emmanouil Benetos, Simon Dixon	0.13	0.79
Ft 1	Tiago Fernandes Tavares, George Tzanetakis	0.07	0.57
SB5	Sebastian Böck	0.04	0.57

Query By Singing/Humming

SubID	Participants	Task1A MRR	Task1B MRR	Task2 SC
JJ1	Dalwon Jang, Chai-Jong Song, Saim Shin, Jong-Seol Lee, SUNG JOO PARK, SEI-JIN JANG, Seok-Pil Lee, Kyeung Hak Seo	0.91	0.92	9.16
LW1	Lei Wang	0.96	0.97	9.69
LW2	Lei Wang	0.96	NA	9.68
YJL1	Tzu-Chun Yeh, Jyh-Shing Roger Jang, Chun-Jen Lee	0.89	0.88	8.74
YJL2	Tzu-Chun Yeh, Jyh-Shing Roger Jang, Chun-Jen Lee	0.88	0.85	8.74

Query By Tapping

SubID	Participants	Task 1A MRR	Task1B MRR	Task 2 MRR
CC2	ChunTa Chen, Roger Jang	0.84	0.70	0.83
CJ1	ChunTa Chen, Roger Jang	0.82	0.75	0.81

Audio Tag Classification - Major Minor

SubID	Participants	Class. F-Measure	Affinity AUC-ROC
PH2	Philippe Hamel	0.50	0.88
SSKSS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner, Jan Schlüter	0.49	0.89
BA2	Simon Bourguigne, Pablo Daniel Agüero	0.49	0.77
BA1	Simon Bourguigne, Pablo Daniel Agüero	0.49	0.78
GT2	George Tzanetakis	0.47	0.89
RWJ1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.46	0.85
RWJ2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.46	0.84
RJ1	Jia-Min Ren, Jyh-Shing Roger Jang	0.44	0.83
HN1	Jorge Herrera, Juhan Nam	0.34	0.70

Audio Tag Classification - Mood

SubID	Participants	Class. F-Measure	Affinity AUC-ROC
SSKSS1	Klaus Seyerlehner, Markus Schedl, Peter Knees, Reinhard Sonnleitner, Jan Schlüter	0.49	0.87
PH2	Philippe Hamel	0.46	0.84
RWJ1	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.45	0.76
RJ1	Jia-Min Ren, Jyh-Shing Roger Jang	0.43	0.74
RWJ2	Jia-Min Ren, Ming-Ju Wu, Jyh-Shing Roger Jang	0.43	0.77
BA1	Simon Bourguigne, Pablo Daniel Agüero	0.42	0.78
BA2	Simon Bourguigne, Pablo Daniel Agüero	0.41	0.77
GT2	George Tzanetakis	0.37	0.86
HN1	Jorge Herrera, Juhan Nam	0.37	0.69

Audio Chord Estimation

SubID	Participants	Weighted overlap ratio	
		MRX	MGC
CCSS1	Weibin Shen, Ruofeng Chen, Ajay Srinivasamurthy, Parag Chordia	0.78	0.66
DMW1	Bas de Haas, José Pedro Magalhães, Frans Wiering	0.72	0.62
KO1	Maksim Khadkevich, Maurizio Omologo	0.82	0.70
NG1	Nikolay Glazyrin	0.74	0.62
NMSD1	Yizhao Ni, Matt Mcvicar, Raul Santos-Rodriguez, Tijl De Bie	0.83	0.71
NMSD2	Yizhao Ni, Matt Mcvicar, Raul Santos-Rodriguez, Tijl De Bie	0.80	0.72
NMSD3	Yizhao Ni, Matt Mcvicar, Raul Santos-Rodriguez, Tijl De Bie	0.81	0.72
NMSD4	Yizhao Ni, Matt Mcvicar, Raul Santos-Rodriguez, Tijl De Bie	0.82	0.72
PMP1	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.73	0.66
PMP2	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.72	0.65
PMP3	Johan Pauwels, Jean-Pierre Martens, Geoffroy Peeters	0.72	0.64

Audio Melody Extraction

SubID	Participants	Overall Accuracy		
		MIREX'05	ADC'04	INDIAN'08
AB1	Laxmidhar Behera, Vipul Arora	0.63	0.69	0.68
SM1	Sam Myer	0.60	0.60	0.50
YJL4	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.52	0.46	0.70
YJL3V2	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.36	0.42	0.51
YJL3V3	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.36	0.42	0.51

Audio Melody Extraction

SubID	Participants	Overall Accuracy		
		MIREX'09 0db	MIREX'09 +5db	MIREX'09 -5db
AB1	Laxmidhar Behera, Vipul Arora	0.69	0.50	0.80
SM1	Sam Myer	0.66	0.48	0.77
YJL4	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.54	0.44	0.58
YJL3V2	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.52	0.44	0.55
YJL3V3	I-Bin Liao, Jyh-Shing Roger Jang, Tzu-chun Yeh	0.52	0.44	0.55

Structural Segmentation - MIREX '09

SubID	Participants	MIREX 09 F-measure	MIREX 10	MIREX 10	Salami F-measure
			RWC/QuaeroRWC/SB@3sec	RWC/RWC F-measure	
SMGA1	Joan Serrà, Meinard Müller, Peter Grosche, Josep Lluís Arcos	0.65	0.77	0.68	0.58
SMGA2	Joan Serrà, Meinard Müller, Peter Grosche, Josep Lluís Arcos	0.63	0.76	0.69	0.53
KSP3	Florian Kaiser, Thomas Sikora, Geoffroy Peeters	0.57	0.66	0.60	0.53
MHRAF1	Benjamin Martin, Pierre Hanna, Matthias Robine, Julien Allali, Pascal Ferraro	0.56	0.54	0.58	0.57
KSP1	Florian Kaiser, Thomas Sikora, Geoffroy Peeters	0.55	0.66	0.60	0.50
SP1	Florian Kaiser, Thomas Sikora, Geoffroy Peeters	0.55	0.66	0.56	0.55
KSP2	Florian Kaiser, Thomas Sikora, Geoffroy Peeters	0.54	0.66	0.58	0.53
SBV1	Gabriel Sargent, Frédéric Bimbot, Emmanuel Vincent	0.51	0.63	0.54	0.46
OYZS1	Nobutaka Ono, Shinya Yaku, Yuko Zou, Shigeki Sagayama	0.46	0.53	0.51	0.50

Audio Beat Tracking

SubID	Participants	F-Measure		
		MCK	MAZ	SMC
FK1	Florian Krebs	0.57	0.58	0.40
FW3	Fu-Hai Frank Wu, Jyh-Shing Roger Jang	0.52	0.49	0.34
FW4	Fu-Hai Frank Wu, Jyh-Shing Roger Jang	0.52	0.48	0.34
FW5	Fu-Hai Frank Wu	0.43	0.67	0.35
GKC2	Aggelos Gkiokas, Vassilis Katsouros, George Carayannis	0.50	0.42	0.37
GP2	Geoffroy Peeters	0.50	0.49	0.36
GP3	Geoffroy Peeters	0.50	0.47	0.35
GP4	Geoffroy Peeters	0.50	0.56	0.37
KB1	Florian Krebs, Sebastian Böck	0.54	0.52	0.41
KFRO1	Maksim Khadkevich, Thomas Fillon, Gaël Richard, Maurizio Omologo	0.51	0.35	0.33
ODGR1	João Lobato Oliveira, Matthew Davies, Fabien Gouyon, Luis Paulo Reis	0.51	0.42	0.31
ODGR2	João Lobato Oliveira, Matthew Davies, Fabien Gouyon, Luis Paulo Reis	0.50	0.41	0.32
ODGR3	João Lobato Oliveira, Matthew Davies, Fabien Gouyon, Luis Paulo Reis	0.50	0.44	0.32
ODGR4	João Lobato Oliveira, Matthew Davies, Fabien Gouyon, Luis Paulo Reis	0.48	0.28	0.27
SB3	Sebastian Böck	0.53	0.41	0.33
SB4	Sebastian Böck	0.51	0.52	0.34
SB6	Sebastian Böck	0.53	0.41	0.35
SB7	Sebastian Böck	0.53	0.50	0.37
ZDG1	Jose Zapata, Matthew Davies, Emilia Gómez	0.52	0.51	0.36
ZDG2	Jose Zapata, Matthew Davies, Emilia Gómez	0.53	0.50	0.37

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