Data Set for "Models and Computational Algorithms for Maritime Risk Analysis: A review"

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	Paper Tag	Year	Country	Journal	Contribution	Focus	Security concern	Data source	MS, ME, MC, 1, 2	Methods
1	Curtis1986JORS	1986	USA	The Journal of the Operational Research Society	theory	consequence	human safety	random	ME1	Mathematical modeling
2	harrald1998SS	1988	USA	Safety Science	Model	Frequency	Human Error	real	MC1	Simulation
3	Lin1992,REaSS	1992	Taiwan	Reliability Engineering and System Safety	application	More than 1	human safety	Random	MS1	loglinear model
4	Roeleven1995SS	1995	Netherlands	Safety Science	model	Frequency	collision	real	ME2	Probability and Statistics
5	Hara1995, SS	1995	Japan	Safety Science	Theory	Safety	Port Security	Random	ME1	Simulation
6	Hilgert1997, GJoH	1997	Germany	German Journal of Hydrography	Model	Case	Waterway Security	real	ME1	Risk Model
7	Tan	1999	Turkey	Naval Research Logistics	Theory	Safety	Collision	No Data	MC2	Risk Model
8	Iakovou1999,TS	1999	USA	Transportation science	model	case	waterway security	real	ME2	Network flow model
9	Grabowski2000, IEEE Trans	2000	USA	Proceedings	Model	Safety	collision	Random	MC2	Literature review
10	Inoue2000, tJoN	2000	Japan	The Journal of Navigation	Model	Frequency	collision	real	MC2	Simulation
11	Bruzzone2000,SS	2000	Italy	Safety science	model	More than 1	port security	Random	MS1	Simulation
12	Fowler2000,RA	2000	UK	Risk Analysis	model	More than 1	More than 1	real	MC1	Risk Model
13	Merrick2000,SE	2000	USA	Systems Engineering	application	case	More than 1	real	MC1	Simulation
14	van Dorp2001, RA	2001	USA	Risk Analysis	Model	More than 1	Collision	real	MC1	Simulation
15	Dorp2001,RA	2001	USA	Risk Analysis	model	More than 1	collision	Random	MS1	Simulation
16	Soares2001,REaSS	2001	Portugal	Reliability Engineering and System Safety	model	frequency	More than 1	real	MC2	Literature review
17	Merrick2001	2001	USA	Proceedings	Model	Frequency	Collision	real	MC1	Simulation
18	Iakovou2001SS	2001	USA	Safety Science	Model	Frequency	Pollution	real	MC1	optimization problem is defined and solved by an interactive solution methodology
19	Otto2002, MS	2002	Germany	Marine Structures	Theory	Consequence	Grounding	real	ME2	Probabilistic model
20	Rosqvist2002, RINAICoFSA	2002	Finland	Proceedings	Theory	Safety	Waterway Security	No Data	MC1	Simulation
21	Kaneko2002,jMSaT	2002	Japan	Journal of marine science and technology	model	More than 1	collision	Random	MS1	Simulation
22	Otto2002,MS	2002	Germany	Marine Structures	model	More than 1	More than 1	real	ME1	Simulation
23	Merrick2003, REaSS	2003	USA	Reliability Engineering and System Safety	Model	More than 1	Grounding	real	MC2	Simulation
24	Ors2003, ES	2003	Turkey	Energy Sources	Theory	Case	Port Security	No Data	ME2	Simulation
25	Otay, Pot3rdICoOSitMaBSR	2003	Turkey	Proceedings	Theory	Case	More than 1	Random	ME1	mathematical model
26	Pelto2003, EPotPEI	2003	Finland	Electronic publications of the Pan-European Institute	Application	More than 1	collision	real	ME1	Probability and Statistics
27	Sarioz2002, OE	2003	Turkey	Ocean Engineering	Theory	Safety	More than 1	Random	MS1	Simulation
28	Ronza2003, Jlpitpi	2003	Spain	Journal of loss prevention in the process industries	model	frequency	port security	real	MC1	Probability and Statistics
29	Akten2004, tJoN	2004	Turkey	The Journal of Navigation	Model	Case	Waterway Security	Random	MC1	Probability and Statistics
30	Ince2004, tJoN	2004	Turkey	The Journal of Navigation	Model	Case	collision	No Data	MC1	Simulation
31	Ors2004, ES	2004	Turkey	Energy Sources	Theory	More than 1	collision	No Data	MC1	Simulation
32	Merrick2005,DA	2005	USA	Decision Analysis	model	case	collision	real	ME2	Bayesian
33	Szwed2006EJOR	2006	USA	European Journal of Operational Research	theory	consequence	human safety	real	MC1	Bayesian
34	de Oses	2006	Spain	Proceedings	Theory	Frequency	Grounding	Random	MC1	Probability and Statistics
35	Eleye-Datubo2006, RA	2006	UK	Risk Analysis	Model	Frequency	Human Safety	real	MS2	Bayesian
36	Szlapczynski2006, tJoN	2006	Poland	The Journal of Navigation	Model	More than 1	Grounding	Random	ME2	other
37	Merrick2006,RA	2006	USA	Risk Analysis	application	case	More than 1	real	MC1	Bayesian
38	Yip2006TR	2006	Hong Kong	Transportation Research	Model	Frequency	More than 1	real	MC1	regression model
39	Hu2007RESS	2007	China	Reliability Engineering and System Safety	model	case	grounding	random	MC2	Risk Model
40	Ece2007, EJoN	2007	Turkey	European Journal of Navigation	Theory	Consequence	Grounding	real	MS1	Probability and Statistics
41	Inoue2007, MNaSoST	2007	Japan	International Journal on Marine Navigation and Safety of Sea Transportation	Theory	Case	collision	Random	ME1	Simulation
42	Kao2007, tJoN	2007	Taiwan	The Journal of Navigation	Model	Frequency	Port Security	Random	ME1	Fuzzy logic
43	Nikula2007, TaBSRSiCIPS	2007	Finland	Proceedings	Model	Case	Human Safety	Random	MC1	Probability and Statistics
44	Eide2007MPB	2007	Norway	Marine Pollution Bulletin	Model	Frequency	Grounding	real	MC	Accident frequency modeling-Consequence modelin-Dynamic modelling
45	Trucco2008RESS	2008	Italy	Reliability Engineering and System Safety	model	Frequency	collision	real	MC1	Bayesian

46	Jansson 2008A	2008	Sweden	Automatica	model	consequence	grounding	real	MS2	Simulation
47	Gucma2008, IJoMNaSoST	2008	Poland	International Journal on Marine Navigation and Safety of Sea Transportation	Model	Case	Waterway Security	Random	MC1	Probability and Statistics
48	Quy2008, Simulation	2008	Netherlands	Simulation	Theory	Safety	More than 1	Random	ME1	Simulation
49	Chin2009SS	2009	Singapore	Safety Science	theory	more than 1	collision	real	MS1	regression model
50	Yang,2009,RA	2009	UK	Risk Analysis	application	safety	waterway security	real	MC1	
51	Uluscu,2009,RA	2009	USA	Risk Analysis	model	case	human safety	real	MS1	Risk Model
52	Arslan2009, MP&M	2009	Turkey	Maritime Policy & Management	Model	Consequence	Human Safety	Random	MC1	Probability and Statistics
53	Hanninen2010, IJoMNaSoST	2009	Finland	International Journal on Marine Navigation and Safety of Sea Transportation	Model	More than 1	collision	real	MC2	Bayesian
54	Klemola2009, WRoITR	2009	Finland	World Review of Intermodal Transportation Research	Application	Safety	Waterway Security	Random	MS1	Bayesian
55	Kujala2009, REaSS	2009	Finland	Reliability Engineering and System Safety	Model	Safety	Waterway Security	Random	MC1	Risk Model
56	Pietrzykowski2009, tJoN	2009	Poland	The Journal of Navigation	Model	Case	More than 1	No Data	MS2	Other
57	Ren2009, JoOMaAE	2009	UK	Journal of Offshore Mechanics and Arctic Engineering	Model	Frequency	Waterway Security	Random	MC1	Bayesian
58	van de Wiel	2009	Netherlands	Annals of Operations Research	Theory	Frequency	More than 1	No Data	ME1	Risk Model
59	Yurtoren2009, Pot11thWSEASICoACMaS	2009	Turkey	Proceedings	Application	Case	Grounding	Random	MC2	Simulation
60	Szłapczyński2009PMI	2009	Poland	Polish Maritime Research	Application	Frequency	Collision	real	MS1	Fuzzy logic
61	Shahrabi2009JAS	2009	Iran	Journal of Applied Sciences	Application	Case	Fishing	real	ME	Kernel density technique
62	Mou2010OE	2010	China	Ocean Engineering	application	case	waterway security	no data	MC2	regression model
63	Mou2010OE	2010	China	Ocean Engineering	model	case	human safety	random	MC2	regression model
64	Basar2010, Transportation	2010	Turkey	Transport	Model	Case	Grounding	real	MC1	Simulation
65	Debnath2010, tJoN	2010	Singapore	The Journal of Navigation	Theory	Safety	Waterway Security	real	MC1	Probability and Statistics
66	Martins2010, RA	2010	Brazil	Risk Analysis	Theory	Frequency	Waterway Security	No Data	MC1	Probability and Statistics
67	Montewka	2010	Finland	Proceedings	Model	Safety	collision	Random	MC2	Simulation
68	Montewka2010, REaSS	2010	Finland	Reliability Engineering and System Safety	Theory	Frequency	Human Safety	Random	MC2	Simulation
69	Tam2010, JoMST	2010	UK	Journal of Marine Science and Technology	Model	Safety	Waterway Security	Random	MS2	Risk Model
70	Wang2010, tJoN	2010	China	The Journal of Navigation	Theory	Safety	Collision	Random	MC1	other
71	Pedersen2010,MS	2010	Denmark	Marine Structures	model	case	More than 1	real	MS2	Literature review
72	Psarros2010AAaP	2010	Norway	Accident Analysis & Prevention	model	More than 1	More than 1	real	ME2	
73	celik2010SS	2010	Turkey	Safety Science	Model	Frequency	Machinery break-down	real	ME1	Fuzzy logic
74	Balmat2010OE	2010	France	Ocean Engineering	Application	Case	Pollution	real	ME	Fuzzy logic
75	Qu2011AAP	2011	Singapore	Accident Analysis and Prevention	model	Frequency	collision	real	MC1	Probability and Statistics
76	Yang,2011,SS	2011	China	Safety Science	theory	case	collision	real	MC2	loss exposure matrix
77	Heij,2011,TR	2011	Netherlands	Proceedings	model	Frequency	waterway security	random	MS1	Other
78	Mokhtari2011JoHM	2011	UK	Journal of Hazardous Materials	application	safety	collision	no data	ME1	Fuzzy logic
79	Balmat2011OE	2011	France	Ocean Engineering	application	more than 1	collision	random	MC1	Fuzzy logic
80	Goertlandt2011, REaSS	2011	Finland	Reliability Engineering and System Safety	Model	Consequence	collision	real	MC1	Simulation
81	Hassel2011, AAaP	2011	Norway	Accident Analysis and Prevention	Theory	Consequence	Waterway Security	Random	MS1	Probability and Statistics
82	Montewka2011, PotIoME, Part O: JoRaR	2011	Finland	Proceedings	Theory	Case	collision	real	MS1	Probability and Statistics
83	Szlapczynski2011, tJoN	2011	Poland	The Journal of Navigation	Theory	Case	Waterway Security	No Data	MC1	evolutionary algorithm
84	Boros2011,AOR	2011	USA	Annals of Operations Research	model	case	port security	Random	MS1	Decision trees, Dynamic Programing
85	Idelhakkar2011,ES	2011	Morocco	Energy Science	application	consequence	More than 1	random	MS2	utility function
86	Montewka2012OE	2011	Finland	Ocean Engineering	Application	Frequency	Collision	real	MC1	Probability and Statistics
87	Mullai2011AAP	2011	Sweden	Accident Analysis and Prevention	Model	Frequency	More than 1	real	MC1	Fuzzy logic
88	van Dorp2011AOR	2011	USA	Annals of Operations Research	Application	Frequency	More than 1	real	MC	Simulation
89	Ahn2012AOR	2012	Korea	Applied Ocean Research	model	safety	waterway security	no data	MC1	Fuzzy logic
90	McLay,2012,EJOR	2012	USA	European Journal of Operational Research	theory	Frequency	port security	no data	MC2	Mathematical modeling
91	Hanninen2012REaSS	2012	Finland	Reliability Engineering and System Safety	theory	case	human safety	real	MC2	Bayesian
92	Mokhtari2012ES	2012	UK	Expert Systems with Applications	model	safety	grounding	random	MC1	Fuzzy logic
93	Aydogdu2012, tJoN	2012	Turkey	The Journal of Navigation	Theory	Frequency	Grounding	real	MC1	Simulation
94	Ghafoori2012, JoTS	2012	USA	Journal of Transportation Security	Theory	Frequency	Human Safety	real	MC1	Mathematical modeling
95	Goertlandt2012, OE	2012	Finland	Ocean Engineering	Model	Safety	Human Safety	real	MC1	Simulation
96	Liu2012, AI	2012	China	Applied Intelligence	Theory	Safety	Port Security	Random	MS1	Simulation
97	Weng2012, tJoN	2012	Singapore	The Journal of Navigation	Theory	Frequency	Grounding	real	MC1	Probability and Statistics
98	Zhang2012, PotIoME	2012	China	Proceedings	Application	More than 1	Collision	real	MC2	other

99	Li2012, RA	2012	Singapore	Risk Analysis	model	More than 1	waterway security	Random	MS1	Literature review
100	Chauvin2013AA&P	2013	France	Accident Analysis and Prevention	theory	more than 1	collision	real	MS2	Probability and Statistics
101	yang2013maritime	2013	UK	Other	Model	more than 1	waterway security	real	MC2	Other
102	hanninen2013expert	2013	Finland	Other	Model	more than 1	More than 1	real	ME1	Bayesian
103	ozbas2013safety	2013	USA	Other	Theory	more than 1	More than 1	no data	MC1	Risk Model
104	elentably2013positive	2013	Saudi Arabia	Other	Application	more than 1	More than 1	real	MC1	Literature review
105	nishimura2013construction	2013	Japan	Other	Model	safety	collision	real	ME2	Simulation
106	onwuegbuchunam2013analysis	2013	Nigeria	Other	Application	more than 1	More than 1	random	MS1	Probability and Statistics
107	nwaoha2013adoption	2013	UK	Ocean Engineering	Model	safety	More than 1	real	MS2	Risk Model
108	liwaang2013quantitative	2013	Sweden	Safety Science	Application	more than 1	waterway security	real	MC1	Risk Model
109	garcia2013oil	2013	Italy	Other	Model	safety	waterway security	real	ME2	Other
110	alexander2013harmonised	2013	USA	International Journal on Marine Navigation and Safety of Sea Transportation	Application	case	More than 1	no data	MS2	Decision Analysis
111	kang2013time	2013	korea	Ocean Engineering	Model	safety	More than 1	no data	MS2	Simulation
112	gaonkar2013reliability	2013	India	Ocean Engineering	Model	more than 1	More than 1	random	MS1	Fuzzy Logic
113	talavera2013application	2013	Spain	Reliability Engineering and System Safety	Application	safety	waterway security	random	MS1	Probability and Statistics
114	Montewka2014aRESS	2014	Finland	Reliability Engineering and System Safety	Theory	more than 1	collision	real	MC1	Bayesian
115	Goerlandt2014aMPB	2014	Finland	Other	Theory	more than 1	collision	real	MC1	Bayesian
116	Jolma2014EM&S	2014	Finland	Other	Application	safety	human safety	real	MC1	Bayesian
117	Faghih-Roohi2014OE	2014	Singapore	Ocean Engineering	Theory	more than 1	More than 1	real	MC2	Simulation
118	Zhang2014Proc IMechE Part O:JR&R	2014	China	Proceedings	Theory	more than 1	More than 1	real	MC2	Bayesian
119	John2014SS	2014	UK	Safety Science	Theory	more than 1	port security	real	ME1	Fuzzy Logic
120	Hsu2014JON	2014	Taiwan	The Journal of Navigation	Theory	more than 1	More than 1	real	MC1	Fuzzy Logic
121	Hänninen2014aESwA	2014	Finland	Other	Theory	more than 1	More than 1	real	ME2	Bayesian
122	Hänninen2014bESwA	2014	Finland	Other	Theory	more than 1	More than 1	real	MC1	Bayesian
123	Hänninen2014cAA&P	2014	Finland	Accident Analysis and Prevention	Theory	more than 1	More than 1	real	MS2	Literature review
124	Yan2014ProcASMEYOCCA	2014	China	Proceedings	Theory	more than 1	More than 1	real	MC1	Probability and Statistics
125	Mulyadi2014WMU J MA	2014	Japan	Other	Theory	Frequency	collision	real	MC1	Bayesian
126	Zaman2014JoS	2014	Japan	Other	Theory	more than 1	collision	real	MC1	Fuzzy Logic
127	Akhtar2014aSS	2014	Norway	Safety Science	Theory	more than 1	Grounding	real	MC1	Bayesian
128	Mazaheri2014WMU J MA	2014	Finland	Other	Theory	more than 1	Grounding	no data	MS2	Literature review
129	Montewka2014bRESS	2014	Finland	Reliability Engineering and System Safety	Theory	more than 1	More than 1	no data	MC1	Literature review
130	Goerlandt2014bSS	2014	Finland	Safety Science	Theory	more than 1	collision	real	MC1	Risk Model
131	Ahola2014SS	2014	Finland	Safety Science	Theory	safety	human safety	real	MC1	Other
132	Youssef2014Intl J Maritime Eng	2014	Egypt	Proceedings	Theory	more than 1	collision	real	MC1	Probability and Statistics
133	Akhtar2014SSbWJAR	2014	Norway	Proceedings	Theory	Frequency	Grounding	no data	MS2	Probability and Statistics
134	Zhang2014	2014	China	Risk Analysis	Theory	more than 1	More than 1	real	MC1	Probability and Statistics
135	Porathe2014Proc of ISIS	2014	UK	Proceedings	Application	more than 1	More than 1	real	MC1	Other
136	CeyhunEss2014	2014	Turkey	Other	Model	more than 1	More than 1	real	MC1	Probability and Statistics
137	Goerlandt2O15__2014	2014	Finland	Proceedings	Theory	more than 1	More than 1	random	MC1	Bayesian
138	AkyuzSS2015	2014	Hong Kong	Safety Science	Theory	case	More than 1	real	MC1	Probability and Statistics
139	uugurlu2015analysis	2015	Turkey	Other	Application	more than 1	More than 1	real	MC1	Other
140	kum2015root	2015	Turkey	Safety Science	application	more than 1	More than 1	real	MC1	Other
141	wu2015effectiveness	2015	China	Accident Analysis and Prevention	application	more than 1	More than 1	real	MC1	Other
142	sahin2015novel	2015	Turkey	The Journal of Navigation	model	Consequence	More than 1	real	MC1	Fuzzy Logic
143	bal2015prioritization	2015	Turkey	Safety Science	application	safety	human safety	real	MC1	Other
144	praetorius2015modelling	2015	Sweden	Reliability Engineering and System Safety	model	case	More than 1	real	MC1	Other
145	soner2015use	2015	Turkey	Safety Science	model	consequence	Human Safety	real	MC1	Other
146	akyuz2015hybrid	2015	Turkey	Safety Science	more than 1	safety	grounding	real	MC1	ANP
147	uugurlu2015analysis	2015	Turkey	Journal of Marine Science and Technology	application	safety	grounding	real	MC1	AHP
148	zaman2015formal	2015	Indonesia	TransNav: International Journal on Marine Navigation and Safety of Sea Transportation	application	safety	collision	real	MC1	Fuzzy logic
149	sahin2015risk	2015	Turkey	International Journal of Maritime Engineering	application	safety	more than 1	random	MS1	AHP
150	chou2015key	2015	Taiwan	Journal of Marine Science and Technology	application	safety	more than 1	real	MC1	data analysis
151	wei2015human	2015	China	proceeding	application	safety	more than 1	real	MC1	AHP
152	lehikoinen2015bayesian	2015	Finland	Environmental Science and Technology	model	safety	collision	real	MC1	Bayesian network
153	vander2015multi	2015	Australia	Transportation Research Part A	application	safety	more than 1	real	MC1	Regression
154	dong2015probabilistic	2015	USA	Structural Safety	more than 1	safety	collision	real	MC1	Probability model

155	mentes2015fsa	2015	Turkey	Safety Science	model	safety	collision	real	MC1	Fuzzy logic
156	liwaang2015survivability	2015	Sweden	Marine Structures	more than 1	more than 1	more than 1	random	MS1	Bayesian network
157	fernandes2015combining	2015	Portugal	Ocean Science Discussions	more than 1	safety	more than 1	real	MC1	simulation
158	zhang2016maritime	2016	Portugal	Risk Analysis	application	safety	more than 1	real	MC1	Bayesian network
159	chlomoudis2016risk	2016	Greece	Journal of Traffic and Transportation Engineering	application	safety	more than 1	real	MC1	risk analysis
160	wu2016selection	2016	China	Safety Science	more than 1	safety	more than 1	real	MC1	linear programming
161	vairo2016land	2016	Italy	Safety Science	application	more than 1	more than 1	real	MC1	simulation
162	fu2016towards	2016	China	Reliability Engineering and System Safety	more than 1	safety	other	real	MC1	Probability model
163	siddiquiassessing	2016	Saudi Arabia	Maritime Economics & Logistics	model	case	other	real	MC1	risk analysis
164	benedict2016simulation	2016	Germany	TransNav: International Journal on Marine Navigation and Safety of Sea Transportation	application	safety	collision	real	MC1	simulation
165	belamaric2016simulation	2016	Croatia	Transactions on maritime Science	application	case	other	real	MC1	simulation
166	fernandes2016combining	2016	Portugal	Ocean Science Discussions	model	safety	more than 1	real	ME1	risk analysis
167	goerlandt2017analysis	2017	Finland	Safety Science	application	more than 1	more than 1	real	MC1	data analysis
168	christian2017probabilistic	2017	USA	Reliability Engineering and System Safety	more than 1	more than 1	collision	real	ME1	simulation
169	gan2017performance	2017	Taiwan	Journal of Marine Science and Technology	application	case	collision	real	MC1	data envelopment analysis
170	fallahzadeh2017evaluating	2017	Iran	Journal of Marine Research	application	more than 1	waterway security	real	MC1	risk analysis
171	acharya2017gis	2017	South Korea	Journal of Coastal Research	application	case	more than 1	real	MC1	data analysis
172	wu2017modelling	2017	China	proceeding	application	case	collision	real	MC1	Bayesian network
173	zhen2017novel	2017	China	Ocean Engineering	more than 1	case	collision	real	MC1	clustering technique
174	ancucta2017behavior	2017	Romania	proceeding	application	safety	more than 1	real	MC1	simulation
175	tseng2017maintaining	2017	Taiwan	European Transportation Research Review	application	case	more than 1	real	MC1	data analysis
176	goerlandt2017analysis	2017	Finland	Safety Science	application	more than 1	collision	real	MC1	data analysis
177	chai2017development	2017	China	Safety Science	more than 1	frequency	collision	real	ME1	risk analysis
178	afenyo2017arctic	2017	Canada	Ocean Engineering	application	more than 1	collision	real	MC1	Bayesian network
179	thieme2017risk	2017	Norway	Journal of Risk and Reliability	other	case	more than 1	real	MC1	Bayesian network
180	xi2017new	2017	China	Ocean Engineering	more than 1	safety	collision	random	MS1	Probability model