Supplemental digital content for Dias RD, Gupta A, Yule SJ. Using machine learning to assess physician competence: A systematic review. Acad Med.

Supplemental Digital Appendix 1

MEDLINE Search Terms Used in a Systematic Review of Literature on Using Machine Learning Techniques to Assess Physician Competence, May 2017

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A Population - Physicians	AND	B Cuta Analysis - Machine Learning Techniques	AND		C Purpose - Assessment	AME		D. Dutacenes - Performance	П
("suspecto" (Mesh Terms)	More	("methins learning" [Mesh Terms]	SO.H		Feducational measurement," [Meth Terrol]	Mon		Coastomotor performance" (Mesh Terms)	Mal
OR surgeon* [Title/Abstract]	Avel	OR "machine learning" [Title/Abstract]	Ked	04	performance measurement." [Title/Abstract]	Ked	08	"task performance and analysis" [Mesh Terms]	841
OR clinician* [Title/Abstract]	Red	OR "artificial intelligence" (Mesh Terms)	MAN.	04	performance measure* [Tide/Rhetract]	Ked	08	"work performance" [Mesh Terms]	Mak
OR "doxtor" [Title/Abstract]	ford	OR "artificial intelligence" [Tide/Rostract]	Ked	04	"behavior observation techniques" (West Terms)	Mon	02	"performance" [Title/Whetract]	Ked
OR "doctors" [Title/Abstract]	ford	OR predictive analytic* [Title/Rhstract]	Ked	04	"behavior rating scale" [Mesh Terms]	Mon	09	"clinical competence" [Wesh Terms]	Mak
OR "obvoicions" (West Terms)	More	OR "neural networks (computer)" (Mesh Terms)	MON.	06	"assessment" [Title/Rhetract]	Ked	09	"professional competence" [Mesh Terms]	Mak
OR ohmician* [Title/Abstract]	ford	OR neural network* [Tide/Abstract]	Yed	06	"evaluation" [Title/Rhittact]	Ked	08	"motor skills" [Mesh Terms]	Mak
08 "students, medical" (Mesh Termal	MH	OR bavesian network* [Title/Rostract]	Ked	04	"retine" (Tele/Restract)	Ked	08	"spoke skills" (Mesh Terms)	MIN
OR medical student* [Tide/Abstract]	Bud	OR "support vector machine" [Mesh Terms]	MAG	06	"scoring" [Title/Romaco]	Ked	08	"aptitude" [Mesh Terms]	MIN
DR "resident" [Title/Abstract]	Red	OR support vector machine* [Title/Rhistract]	Ked	04	"spey" [[th/Hhmac]	Ked	08	skill* [[tis/Abstract]	Ked
DR "residents" [Tide/Abstract]	tool	OR "natural language processing" (West Terms)	MAG	08	"checklist" (West Terror)	Mili	08	"andiciency" [Tide/Wetract]	Ked
OR "Interns" [Title/Wastract]	tool	OR "natural language processing" [Title:(Abstract)	Ked	04	"checklin" [[thi/Rhittact]	Ked	08	"ability" [Tide/Whitract]	Ked
06 "Intern" [[[sle/Westract]	tool	OR "clustering" [Title/Rhistract]	Ked	08	Note The Michigan	Ked	08	"competency" [Title/Abstract]	Ked
OR acesthesiologist" [Title/Volument]	tool	OR "cluster analysis" [Title/Notract]	Yed				08	"competence" [[[tle/Whitsuct]	Ked
OR acesthetict* [Title/Abstract]	net	OR "cluster analyses" [[Itily/libstract]	End				08	"expertise" [Tide/Wortract]	Ked
OR radiologist* [Title/Abstract]	net	OR "data mining" [[[de/Norpact]	Ked				08	"experiency" [[t]x/Abstract]	Ked
OR dermatologist* [Title/Abstract]		OR "text mining" [Title/Nbstract]	End					"behavior" [Wesh Terros]	\$64M
DR pathologist* [Title/Mbstract]	tool	OR "text-rolling" [Title/Nozract]	End					"behavior" [Trie/Klistract]	Ked
OR intensivist* [Title/Abstract]	Keek							"leadership" [Mesh Teores]	MAN
DR continings:" [Title/Mastract]	Kook							"leadership" [Title/fibstoot]	Ked
OR neurologist*[Title/Abstract]	Tool						OR	"decision reaking" [Mesh Terms]	2014
OR pediatricias* [Title/Abstract]	Tovi						OR	"decision making" [Title/Whstract]	Ked
OR generologist" [Title/Abstract]	Tool						OR	"communication" [Mesh Terms]	MAN
OR obstetricise" [Title/Mostract]	Tovs						Of	"communication" [Title/Webract]	Ked
Off psychiatrist" [Title/Alistract]	Total						OS	"awareness" [Mesh Terms]	1655
Off unployet* [Title/Abstract]	Roys						Of	"situational awareness" [Title/Abstract]	Ked
OR creciogist*(Title/Abstract()	Kovi						Of	"self-awareness" [Title/Whatract]	Ked
							Ot	"teamwork" [Title/Abstract]	Ked
							Ot	"team work" [TRIc/Abstract]	Ked
							OR	"stress management" [TRIc(Xhstract)]	Ked
							OR	"ernotional intelligence" [Mesh Tenms]	Man
							01	"errotional intelligence" [Title/Abstract]	Ked
								"professionalism" [Wesh Terms]	Make
								"professionalism" [Title/Abstract]	Ked
								"interpersonal relations" [Mesh Terms]	Mak
								"Interpersonal relations" [Title/Wbstract]	Ked
								"interpersonal relationship" [Title/Abstract]	Ked
							09	"clinical reasoning" [Title/Wostract]	Ked

MSDURE Search Terms