

fail / strug / happy	Usage Scenario	Paper/ Interview	1. User			2. DR					3. Task				Gaps								
			Domain	DR expertise		Purpose of Using DR		DR Algorithm				Point Clusters		Dims		User Gaps: DR-naïve			Task Gaps: Dimensions		Data Gaps: Assumptions		
					DR math expert	DR- naïve	Algo. Input	Data Analysis	Manual	Auto	Lin	Non- lin: Gen.	Non- lin Man.	Verify Explicit	Identify Implicit	Old	New	Concept.	Interpret.	Guidance	Groups	Unmapping	Categorical
happy	MoCap A	Interview	machine learning		[X]	[X]		[X]	[X]			[X]					[X]						
fail	MoCap B						[X]	[X]	[X]			[X]						[X]	[X]				
fail	Music A	Interview	HCI		[X]			[X]				[X]	[X]	[X]		[X]	[X]	[X]			[X]		
strug	Music B					[X]			[X]					[X]	[X]	[X]	[X]	[X]		[X]	[X]		
strug	Concept	Interview	life sciences		[X]		[X]	[X]		[X]			[X]		[X]	[X]	[X]					[X]	
fail	NPAIgo	Interview	machine learning	[X]		[X]		[X]							[X]	[X]			[X]			[X]	
happy	BRDF	Paper	graphics	[X]			[X]			[X]						[X]						[X]	
fail	FishPop	Interview	fisheries sciences		[X]										[X]			[X]					
fail	SeqAln A	Interview				[X]				[X]	[X]		[X]	[X]				[X]	[X]				
happy	SeqAln B			bioinformatics	[X]	[X]	[X]								[X]				[X]				
fail	SeqAln C							[X]							[X]				[X]			[X]	
fail	GamMdl	Interview	machine learning	[X]										[X]	[X]				[X]			[X]	
fail	Search	Interview	search optimization		[X]		[X]			[X]	[X]		[X]	[X]	[X]	[X]	[X]			[X]	[X]		
strug	ProstCan	Interview	bioinformatics		[X]	[X]	[X]	[X]	[X]	[X]			[X]		[X]		[X]	[X]	[X]	[X]		[X]	
strug	EpiGen	Interview	bioinformatics		[X]		[X]				[X]	[X]			[X]		[X]	[X]	[X]				
strug	StrucGen	Interview	bioinformatics		[X]									[X]	[X]	[X]		[X]			[X]	[X]	
strug	FlockSim	Interview	mathematics	[X]			[X]	[X]							[X]	[X]			[X]				
strug	CompBio	Interview	comp. biology	[X]	[X]	[X]	[X]	[X]					[X]	[X]				[X]	[X]			[X]	
strug	ChemRel	Interview	comp. chemistry	[X]			[X]						[X]					[X]			[X]		
strug	MedImg	Interview	comp. vision	[X]			[X]	[X]							[X]	[X]			[X]				
strug	TxtDocs	Interview	journalism	[X]	[X]		[X]						[X]	[X]				[X]	[X]	[X]		[X]	
strug	BoatAct	Interview	marine & ocean sci.		[X]		[X]						[X]					[X]	[X]	[X]		[X]	
strug	Polymers	Interview	structural chemistry		[X]		[X]								[X]			[X]	[X]	[X]			
strug	Quadrup	Paper	graphics	[X]	[X]	[X]	[X]			[X]								[X]					
happy	ArtShp	Paper	graphics	[X]		[X]							[X]										
happy	Faces	Paper	graphics	[X]			[X]																
happy	MorseCd	Paper	statistics	[X]			[X]								[X]								
Total count				13	14	7	20	7	4	13	13	2	12	15	13	8	10	14	17	9	2	6	9
				57%	61%	26%	74%	26%	15%	48%	48%	7%	44%	56%	48%	30%	37%	52%	63%	33%	7%	22%	33%
			of 18 interviewees and 5 papers			of 27 usage examples																	