

file_name	PMD	Organic	DeepSeek-R1	gpt-5-mini	Llama-3.3	Qwen2.5-Coder	ORACLE	PREDICTION	RATERS VS HUMAN ORACLE (RQ1 & RQ2)						RATERS VS PREDICTIONS						HUMAN ORACLE VS PREDICTIONS (RQ3)					
AccessTokenModel.java	0	1	0	0	0	0	0	0																		
AndroidGL20.java	0	1	0	0	0	1	1	1																		
AnnotationScanner.java	0	1	0	1	0	0	1	0																		
AttributeNamedHistoryWalker.java	0	1	0	0	0	1	0	0																		
BinaryRedisPipeline.java	0	1	1	0	0	1	0	1																		
CharacterReader.java	0	1	0	1	1	0	1	1																		
cn.hutool.extra.mail.MailUtil.java	1	1	1	1	0	1	1	1																		
com.google.zxing.client.result.ExpandedProductParsedResult.java	1	1	1	1	1	1	1	1																		
DiagnosedStreamCorruptionException.java	0	1	0	1	0	1	0	1																		
easyexcel.v2.2.11.ExcelDataConvertException.java	0	0	0	1	1	1	0	1																		
EntryConfig.java	0	1	1	1	1	1	1	1																		
FireBirdMetaModel.java	1	1	0	0	0	1	1	0																		
FxApplication.java	1	1	1	1	1	1	0	1																		
HttpClientDownloader.java	0	1	0	1	1	1	0	0																		
JobTriggerPooirHelper.java	0	1	1	1	1	1	1	1																		
Lorem.java	0	1	1	1	1	1	1	0																		
MapperBuilderAssistant.java	1	1	1	1	0	1	1	1																		
MethodCallInliner.java	0	1	0	0	0	1	1	0																		
MethodVisitor.java	0	1	0	0	0	0	0	1																		
MockNamingService.java	0	0	1	0	0	1	1	0																		
org.apache.rocketmq.client.impl.consumer.PullAPIWrapper.java	1	1	1	1	1	1	1	0																		
PendingEntry.java	0	1	0	1	1	1	0	0																		
Preconditions.java	0	1	1	0	0	1	1	0																		
PrefixPluginLogger.java	0	1	0	1	1	1	0	1																		
ProxyDatabaseMetaData.java	0	1	0	0	1	1	0	0																		
RetrofitError.java	0	1	0	1	1	1	1	1																		
RouterNanoHTTPD.java	0	1	1	0	0	1	0	1																		
RuleContainer.java	0	1	0	1	1	1	1	0																		
SmsFlashPromotionProductRelationServiceImpl.java	0	1	1	1	1	1	0	1																		
TreeTypeAdapter.java	0	1	0	1	1	1	1	1																		
									RATERS VS HUMAN ORACLE (RQ1 & RQ2)						RATERS VS PREDICTIONS						HUMAN ORACLE VS PREDICTIONS (RQ3)					
									Organic						Organic						Organic					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									16	2	0	12			1.00	0.57	0.73			23	0	2	5	0.92	0.82	0.87
									PMD						PMD						PMD					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									4	12	12	2			0.25	0.67	0.36			6	5	19	0	0.24	1.00	0.39
									DeepSeek-R1						DeepSeek-R1						DeepSeek-R1					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									9	10	7	4			0.56	0.69	0.62			13	5	12	0	0.52	1.00	0.68
									gpt-5-mini						gpt-5-mini						gpt-5-mini					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									10	7	6	7			0.63	0.59	0.61			16	4	9	1	0.64	0.94	0.76
									Llama-3.3						Llama-3.3						Llama-3.3					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									14	2	2	12			0.88	0.54	0.67			24	3	1	2	0.96	0.92	0.94
									Qwen2.5-Coder						Qwen2.5-Coder						Qwen2.5-Coder					
									TP	TN	FP	FN			Precision	Recall	F1			TP	TN	FP	FN	Precision	Recall	F1
									8	5	8	9			0.50	0.47	0.48			17	5	8	0	0.68	1.00	0.81