

Scenario 1					Scenario 3					Scenario 1													
Detection					How many rusty screws					Pipe													
Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score									
1	0.9804	0.9612	0.9804	0.9804	1	0.9013	0.9016	0.9013	0.8997	1	0.8596	0.8669	0.8596	0.8551									
2	0.9804	0.9812	0.9804	0.9804	2	0.9057	0.9044	0.9057	0.904	2	0.8633	0.9057	0.8633	0.8641									
3	0.9888	0.9891	0.9888	0.9888	3	0.8882	0.886	0.8882	0.8858	3	0.8680	0.8704	0.8689	0.8668									
4	0.9916	0.9918	0.9916	0.9916	4	0.8925	0.8931	0.8925	0.8919	4	0.8895	0.8903	0.8895	0.8886									
5	0.9916	0.9916	0.9916	0.9916	5	0.8947	0.9001	0.8947	0.8963	5	0.8783	0.8836	0.8783	0.8793									
6	0.9777	0.9786	0.9777	0.9776	6	0.8969	0.901	0.8969	0.894	6	0.8440	0.8458	0.8448	0.8417									
7	0.9609	0.9637	0.9609	0.9608	7	0.8947	0.8938	0.8947	0.8932	7	0.8558	0.8558	0.8558	0.8529									
8	0.9721	0.9726	0.9721	0.9721	8	0.9189	0.9195	0.9189	0.9178	8	0.8577	0.866	0.8577	0.8577									
9	0.9804	0.9812	0.9804	0.9804	9	0.9189	0.9196	0.9189	0.9178	9	0.867	0.8669	0.867	0.8651									
10	0.9888	0.9889	0.9888	0.9888	10	0.9123	0.9147	0.9123	0.9113	10	0.8708	0.8694	0.8708	0.8691									
					AVERAGES	0.90241	0.90338	0.90241	0.90118														
Performance evaluation																							
Resnet-18 (100 epochs, 128 stacks)					Resnet-101					Resnet-34													
Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score									
1	0.8919	0.8945	0.8919	0.8914	1	0.9081	0.9095	0.9081	0.9083	1	0.8984	0.9061	0.8984	0.899									
2	0.8677	0.8779	0.8677	0.8679	2	0.8871	0.8875	0.8871	0.8872	2	0.921	0.9224	0.921	0.9208									
3	0.9081	0.9081	0.9073	0.9073	3	0.9081	0.9095	0.9081	0.9083	3	0.921	0.9224	0.921	0.9208									
4	0.9081	0.9104	0.9081	0.9079	4	0.9081	0.9095	0.9081	0.9083	4	0.9081	0.9085	0.9081	0.9085									
5	0.8839	0.8929	0.8839	0.8841	5	0.9085	0.9088	0.9085	0.908	5	0.9085	0.9088	0.9085	0.908									
6	0.8984	0.8986	0.8984	0.8985	6	0.9085	0.9088	0.9085	0.908	6	0.9113	0.9116	0.9113	0.9108									
7	0.8935	0.8949	0.8935	0.8938	7	0.9085	0.9088	0.9085	0.908	7	0.9113	0.9116	0.9113	0.9108									
8	0.9129	0.9129	0.9128	0.9128	8	0.9085	0.9088	0.9085	0.908	8	0.9129	0.9128	0.9129	0.9127									
9	0.8952	0.896	0.8952	0.8953	9	0.9048	0.9059	0.9048	0.905	9	0.8709	0.8709	0.8709	0.8707									
10	0.8952	0.896	0.8952	0.8953	10	0.9	0.9003	0.9	0.8996	10	0.9226	0.9225	0.9226	0.9224									
Resnet 34 100 epochs, varying stacks																							
Stack = 16					Stack=64					Stack = 128					Stack = 256								
Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score	Round id	Accuracy	Precision	Recall	F1-score				
1	0.8344	0.8359	0.8344	0.8349	1	0.8649	0.8651	0.8649	0.865	1	0.8894	0.8896	0.8892	0.8893	1	0.9231	0.9286	0.9231	0.9234				
2	0.8344	0.8359	0.8344	0.8349	2	0.8649	0.8651	0.8649	0.865	2	0.8892	0.8896	0.8892	0.8893	2	0.9199	0.9229	0.9199	0.9203				
3	0.8344	0.8359	0.8344	0.8349	3	0.8649	0.8651	0.8649	0.865	3	0.8916	0.8945	0.8916	0.8921	3	0.9199	0.9229	0.9199	0.9203				
4	0.8344	0.8359	0.8344	0.8349	4	0.8625	0.8631	0.8625	0.8626	4	0.8916	0.8945	0.8916	0.8921	4	0.8462	0.8557	0.8462	0.8461				
5	0.8354	0.8369	0.8354	0.8352	5	0.8738	0.8747	0.8738	0.8736	5	0.8924	0.8939	0.8924	0.8924	5	0.8301	0.8339	0.8301	0.8274				
6	0.8354	0.8369	0.8354	0.8352	6	0.7986	0.8357	0.7986	0.7872	6	0.8754	0.8778	0.8754	0.8751	6	0.8814	0.8895	0.8814	0.8814				
7	0.8354	0.8369	0.8354	0.8352	7	0.7986	0.8357	0.7986	0.7986	7	0.7128	0.778	0.7128	0.7113	7	0.8974	0.8981	0.8974	0.8975				
8	0.8352	0.8369	0.8354	0.8352	8	0.8738	0.8747	0.8738	0.8736	8	0.8989	0.8993	0.8993	0.899	8	0.9129	0.9128	0.9129	0.9127				
9	0.8317	0.8321	0.8317	0.8316	9	0.8613	0.8617	0.8613	0.8615	9	0.8689	0.8693	0.8689	0.8687	9	0.9006	0.9013	0.9006	0.9009				
10	0.8504	0.8581	0.8504	0.8513	10	0.8613	0.8617	0.8613	0.8615	10	0.8989	0.8993	0.8989	0.899	10	0.9006	0.9013	0.9006	0.9009				
VAR					0.00002969444	VAR					0.00097549822	VAR					0.00071967777	VAR					0.00012562333