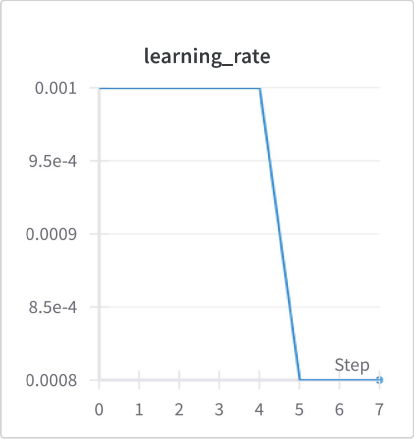
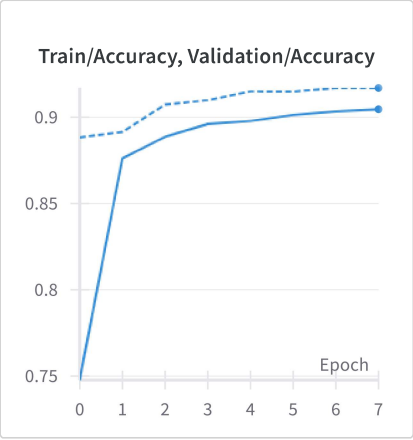
Dynamic Graph Convolutional Neural Network

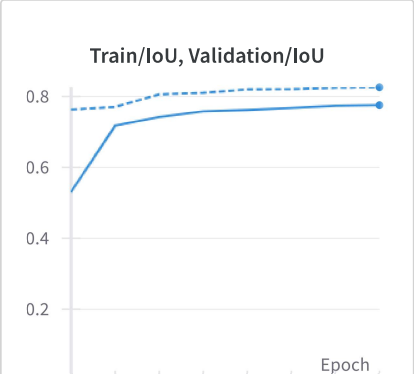
DGCNN (Dynamic Graph Convolutional Neural Network) operates on ShapeNet's 3D models using graph convolutions, extracting relationships among points. By discerning local and global features within shapes, it excels in 3D shape classification, segmentation, and retrieval tasks. Leveraging ShapeNet's diverse dataset, DGCNN demonstrates robust performance in understanding and processing complex 3D structures, establishing itself as a formidable model for tasks involving 3D object analysis and recognition.

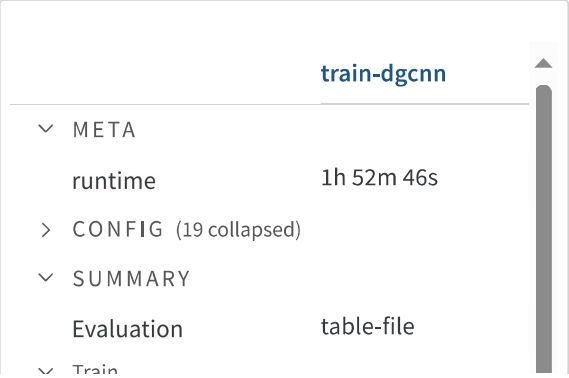
Mirsha Morningstar +

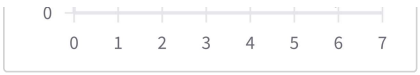
Section 1











Train

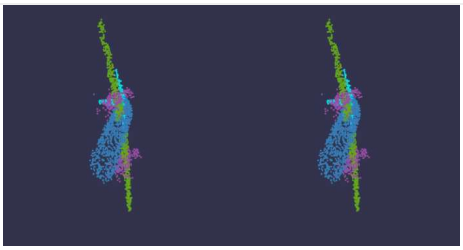
Accuracy	0.9046
IoU	0.7755
Loss	0.2611

Validation

Accuracy	0.917
IoU	0.826
Loss	0.2099
_runtime	4570.425

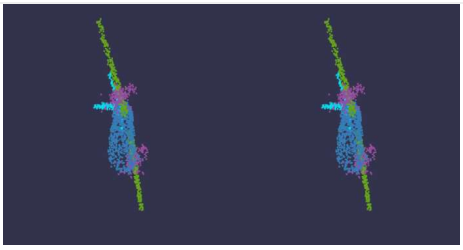
Import panel Add panel

runs.summary["Evaluation"]

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
10	1			0.8971	0.7809

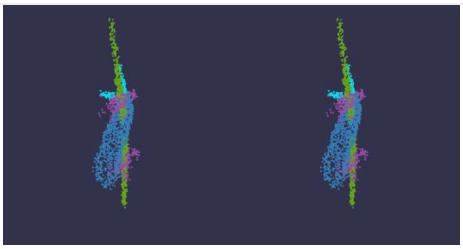
10 - 10 of 80 Export as CSV Columns... Reset table

runs.summary["Evaluation"]

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
20	2			0.8882	0.7719

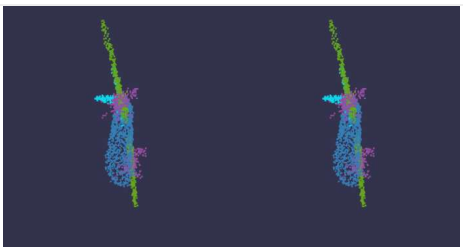
20 - 20 of 80 Export as CSV Columns... Reset table

runs.summary["Evaluation"]

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
30	3			0.9037	0.7943

30 - 30 of 80 Export as CSV Columns... Reset table

runs.summary["Evaluation"]

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
40	4			0.9094	0.8095

40 - 40 of 80 Export as CSV Columns... Reset table

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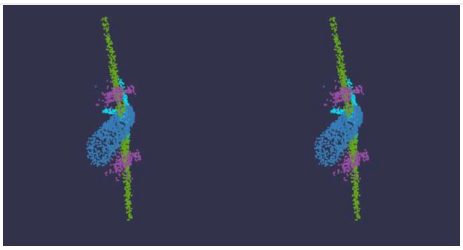
50	5			0.8959	0.7795

50 - 50 of 80 Export as CSV Columns... Reset table

runs.summary["Evaluation"]

	Epoch	Ground-Truth	Prediction	Accuracy	IoU
	6			0.9748	0.9293

55

55 - 55 of 80 Export as CSV Columns... Reset table

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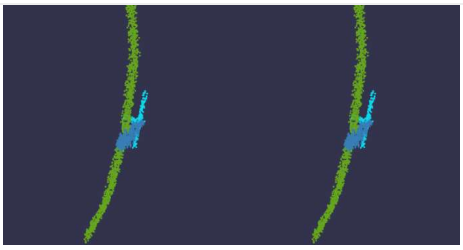
	Epoch	Ground-Truth	Prediction	Accuracy	IoU
65	7			0.972	0.9122

65 - 65 of 80 Export as CSV Columns... Reset table

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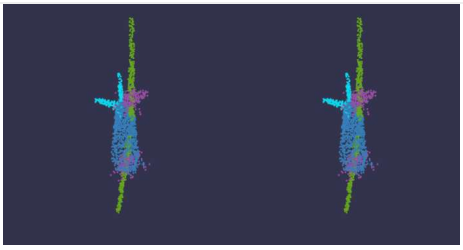
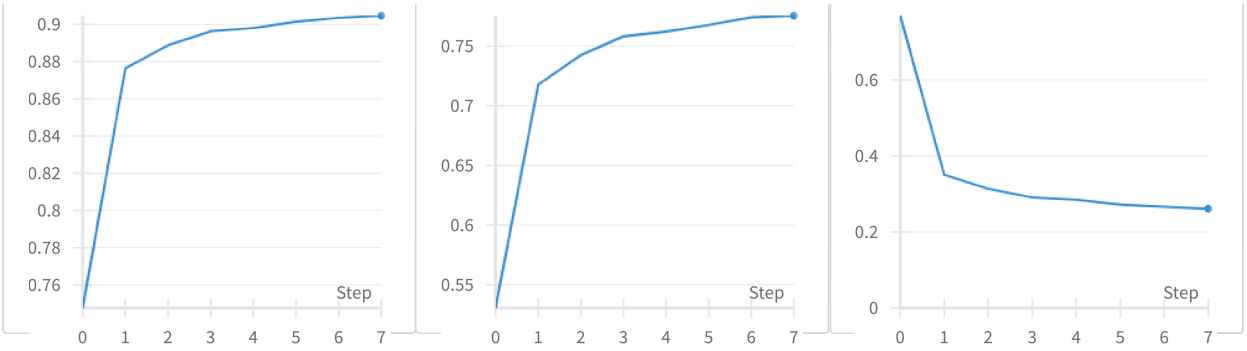
80	8			0.9155	0.8232

80 - 80 of 80 Export as CSV Columns... Reset table

Import panel Add panel

Train/Accuracy | Train/IoU | Train/Loss



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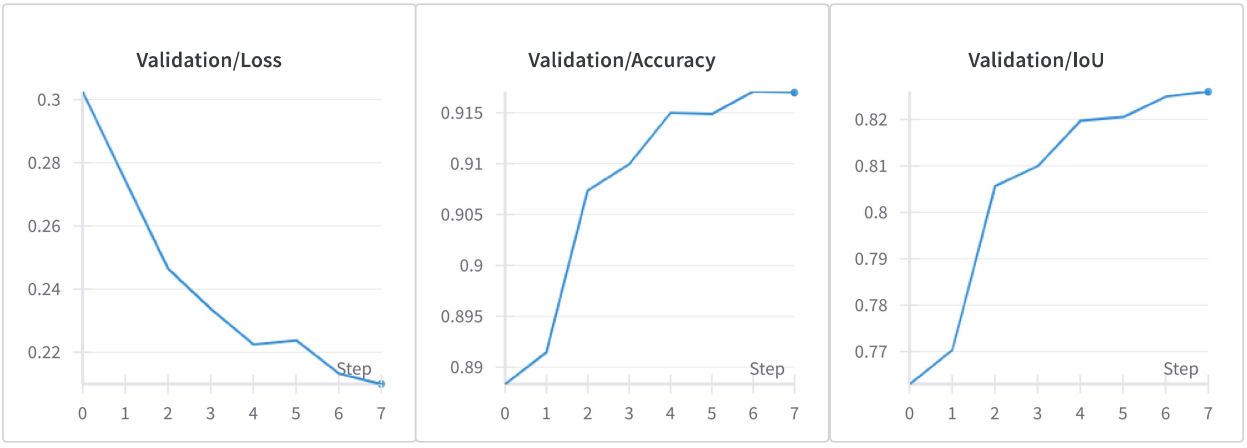

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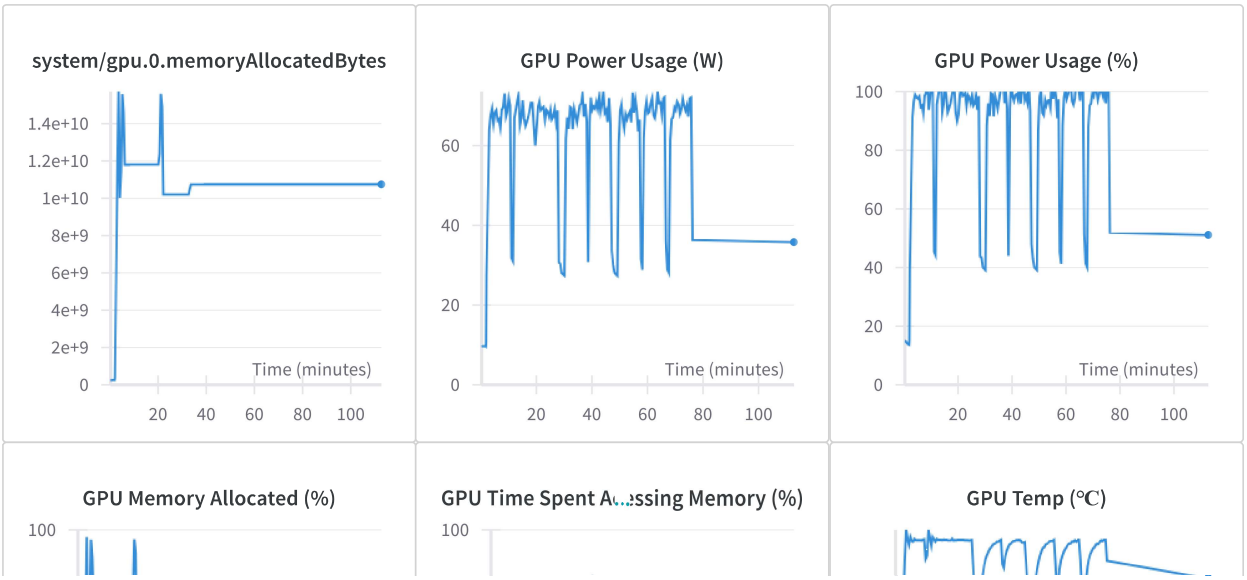

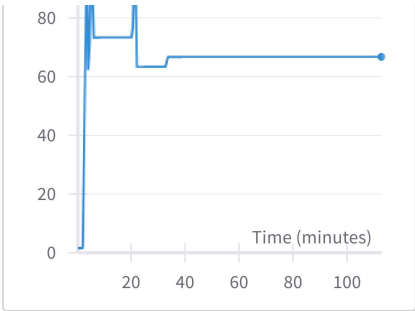

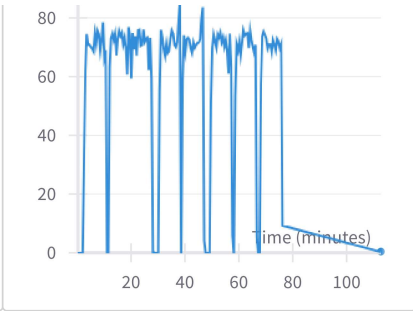

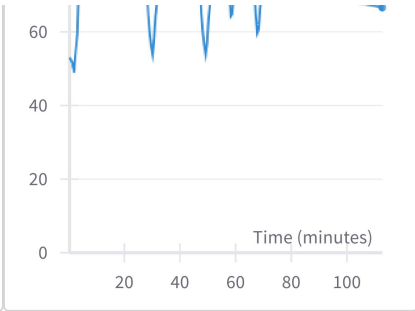

Import panel

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