

ONNX Pre-processing WG

Monthly meeting - Oct 19, 2022

Agenda

- Progress status
- Future steps
- Open floor

Progress status - Open issues/PRs

PRs:

[Pending] Add Data preprocessing with ONNX: ResNet-50 example
<https://github.com/onnx/tutorials/pull/266>

[MERGED] Add Batch processing with SequenceMap tutorial
<https://github.com/onnx/tutorials/pull/267>

[MERGED] Use RepeatedPtrField::Get instead of RepeatedPtrField::operator[], to be compatible with protobuf 3.0 API
<https://github.com/onnx/onnx/pull/435>

Issues:

ONNX runtime function inlining:

[Closed] Local functions with subgraphs: GraphProto attribute inferencing error
<https://github.com/microsoft/onnxruntime/issues/11041>

Sequence support:

Can't constant fold SequenceEmpty node
<https://github.com/microsoft/onnxruntime/issues/11041>

Sequence initializers
<https://github.com/onnx/onnx/issues/4105>

Future steps

Goals		
General infrastructure	Utilities to combine models	✓
	Support for heterogeneous batch processing	✓
	Labeling parts of the model	✓
First model published (ResNet)	Resize-18	✓
	CenterCropPad	✓
	Publish ResNet example in model zoo	Waiting for ONNX 12 release (Target Dec 12)
	Documentation about creating models with preprocessing	

Open floor