#pragma once

#ifdef \_\_cplusplus

#include <twml/defines.h>

#include <twml/DataRecord.h>

#include <twml/TensorRecordWriter.h>

namespace twml {

// Encodes DataRecords as binary Thrift. BatchPredictionResponse

// uses this class to encode prediction responses through our

// TensorFlow response writer operator.

class TWMLAPI DataRecordWriter {

private:

uint32\_t m\_records\_written;

twml::ThriftWriter &m\_thrift\_writer;

twml::TensorRecordWriter m\_tensor\_writer;

void writeBinary(twml::DataRecord &record);

void writeContinuous(twml::DataRecord &record);

void writeDiscrete(twml::DataRecord &record);

void writeString(twml::DataRecord &record);

void writeSparseBinaryFeatures(twml::DataRecord &record);

void writeSparseContinuousFeatures(twml::DataRecord &record);

void writeBlobFeatures(twml::DataRecord &record);

void writeDenseTensors(twml::DataRecord &record);

public:

DataRecordWriter(twml::ThriftWriter &thrift\_writer):

m\_records\_written(0),

m\_thrift\_writer(thrift\_writer),

m\_tensor\_writer(twml::TensorRecordWriter(thrift\_writer)) { }

uint32\_t getRecordsWritten();

uint64\_t write(twml::DataRecord &record);

};

}

#endif