package com.twitter.search.common.util.ml.prediction\_engine;

import com.google.common.base.Preconditions;

/\*\*

\* The discretized value range for a continous feature. After discretization a continuous feature

\* may become multiple discretized binary features, each occupying a range. This class stores this

\* range and a weight for it.

\*/

public class DiscretizedFeatureRange {

protected final double minValue;

protected final double maxValue;

protected final double weight;

DiscretizedFeatureRange(double weight, String range) {

String[] limits = range.split("\_");

Preconditions.checkArgument(limits.length == 2);

this.minValue = parseRangeValue(limits[0]);

this.maxValue = parseRangeValue(limits[1]);

this.weight = weight;

}

private static double parseRangeValue(String value) {

if ("inf".equals(value)) {

return Double.POSITIVE\_INFINITY;

} else if ("-inf".equals(value)) {

return Double.NEGATIVE\_INFINITY;

} else {

return Double.parseDouble(value);

}

}

}