

initFromDomain:

initFromHistogram:
initFromWFTable:

Saving domain information writeDomain:

writeHistogram:
writeWFTable:

Counting tokens totalTokens

uniqueTokens

Retrieving information about tokens

countForToken:ofLength:
rankForToken:ofLength:
frequencyOfToken:ofLength:
peculiarityOfToken:ofLength:andFrequency:

(unsigned int)countForToken:(void *)aToken ofLength:(unsigned int)aLength

Returns the number of times aToken occurs in the body of text represented by the IXWeightingDomain. aLength must be the length, in bytes, of aToken.

rankForToken:ofLength:, frequencyOfToken:ofLength:, peculiarityOfToken:ofLength:andFrequency:

initFromDomain:(NXStream *)stream

Initializes a newly allocated IXWeightingDomain from stream, which should contain data in domain format as returned by the writeDomain: method.

initFromHistogram:, initFromWFTable:, writeDomain:

initFromHistogram:(NXStream *)stream

Initializes the IXWeightingDomain from stream, which should contain data in histogram format as returned by the writeHistogram: method.

initFromDomain:, initFromWFTable:, writeHistogram:

initFromWFTable:(NXStream *)stream

Initializes the IXWeightingDomain from stream, which should contain data in the NEXTSTEP Reference Domain format.

initFromDomain:, initFromHistogram:, writeWFTable:

(float)peculiarityOfToken:(void *)aToken
ofLength:(unsigned int)aLength
andFrequency:(float)aFrequency

Returns the peculiarity of aToken occurring in some domain with frequency aFrequency, relative to a reference domain. aLength must be the length, in bytes, of aToken. The peculiarity is the square root of aFrequency divided by the frequency of the token within the reference domain.

frequencyOfToken:ofLength:, countForToken:ofLength:, rankForToken:ofLength:

(unsigned int)rankForToken:(void *)aToken ofLength:(unsigned int)aLength

Returns the rank of aToken in the IXWeightingDomain the rank is the token's position in an ordered list of tokens by count. aLength must be the length, in bytes, of aToken. The token with the highest count has a rank equal to the number of unique tokens. The token with the lowest count has a rank equal to the number of unique tokens.

countForToken:ofLength:, frequencyOfToken:ofLength:, peculiarityOfToken:ofLength:andFrequency:

(unsigned int)totalTokens

Returns the total number of tokens in the IXWeightingDomain that is, the sum of the number of occurrences of each token over the set of unique tokens.

uniqueTokens

Writes the IXWeightingDomain to stream in domain format.

writeHistogram:, writeWFTable:, initFromDomain:

writeHistogram:(NXStream *)stream

Writes the IXWeightingDomain to stream in histogram format.

writeDomain:, writeWFTable:, initFromHistogram:

writeWFTable:(NXStream *)stream

Writes the IXWeightingDomain to stream in NEXTSTEP Release 2 WFTable format.

writeDomain:, writeHistogram:, initFromWFTable: