nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <= 0.41 and cor.mean <= 0.24 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.41), Correlation(?corr), Mean(?m1), hasQuality(?fileObject, ?corr), hasQuality(?m1, ?corr), hasValue(?m1, ?corvalue), lessThanOrEqual(?corvalue, 0.24) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <= 0.41 and cor.mean > 0.24 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.41), Correlation(?corr), Mean(?m1), hasQuality(?fileObject, ?corr), hasQuality(?m1, ?corr), hasValue(?m1, ?corvalue), greaterThan(?corvalue, 0.24) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst <= 0.36 and inst\_to\_attr <= 8.72 and LabelIssuesPerc <= 0.02 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), lessThanOrEqual (?pifvalue, 0.36), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual (?paivalue, 8.72), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), lessThanOrEqual (?lNoisevalue, 0.02) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst <= 0.36 and inst\_to\_attr <= 8.72 and LabelIssuesPerc > 0.02 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), lessThanOrEqual (?pifvalue, 0.36), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual (?paivalue, 8.72), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan (?lNoisevalue, 0.02) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst <= 0.01 and inst\_to\_attr > 8.72 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), lessThanOrEqual (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.01 and inst\_to\_attr > 8.72 and ena <= -40.54 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72), EqNumberOfAttributesParameter(?ena), hasQuality(?fileObject, ?ena), hasValue(?ena, ?enavalue), lessThanOrEqual(?enavalue, -40.54) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.01 and inst\_to\_attr > 8.72 and ena > -40.54 and OutlierPerc <= 0.03 and kurosis.mean <= 33.11 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72), EqNumberOfAttributesParameter(?ena), hasQuality(?fileObject, ?ena), hasValue(?ena, ?enavalue), greaterThan(?enavalue, -40.54), OutlierDetection(?out), hasQuality(?fileObject, ?out), hasValue(?out, ?outvalue), lessThanOrEqual(?outvalue, 0.03), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), lessThanOrEqual(?kurtvalue, 33.11) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.01 and inst\_to\_attr > 8.72 and ena > -40.54 and OutlierPerc <= 0.00 and kurosis.mean > 33.11 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72), EqNumberOfAttributesParameter(?ena), hasQuality(?fileObject, ?ena), hasValue(?ena, ?enavalue), greaterThan(?enavalue, -40.54), OutlierDetection(?out), hasQuality(?fileObject, ?out), hasValue(?out, ?outvalue), lessThanOrEqual(?outvalue, 0.00), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), greaterThan(?kurtvalue, 33.11) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.01 and inst\_to\_attr > 8.72 and ena > -40.54 and OutlierPerc > 0.00 and kurosis.mean > 33.11 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72), EqNumberOfAttributesParameter(?ena), hasQuality(?fileObject, ?ena), hasValue(?ena, ?enavalue), greaterThan(?enavalue, -40.54), OutlierDetection(?out), hasQuality(?fileObject, ?out), hasValue(?out, ?outvalue), greaterThan(?outvalue, 0.00), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), greaterThan(?kurtvalue, 33.11) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.01 and inst\_to\_attr > 8.72 and ena > -40.54 and OutlierPerc > 0.03 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.01), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan (?paivalue, 8.72), EqNumberOfAttributesParameter(?ena), hasQuality(?fileObject, ?ena), hasValue(?ena, ?enavalue), greaterThan(?enavalue, -40.54), OutlierDetection(?out), hasQuality(?fileObject, ?out), hasValue(?out, ?outvalue), greaterThan(?outvalue, 0.03) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean <= 310.88 and cEntropy <=0.95 and cEntropy > 0.41 and attr\_to\_inst > 0.36 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), lessThanOrEqual (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95), greaterThan(?ce, 0.41), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan (?pifvalue, 0.36) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and iq\_range.mean > 310.88 and cEntropy <= 0.95 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), InterquartileRange(?iqr), Mean(?m2), hasQuality(?fileObject, ?iqr), hasQuality(?m2, ?iqr), hasValue(?m2, ?iqrvalue), greaterThan (?iqrvalue, 310.88), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.95) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr <= 0.01 and cEntropy <= 0.98 and g\_mean.mean <= 1.79 and nr\_num <= 29.50 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.98), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual(?nhighCorrvalue, 0.01), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), lessThanOrEqual(?gmeanvalue, 1.79), NumberOfNumericAttributes(?nNum), hasQuality(?fileObject, ?nNum), hasValue(?nNum, ?nNumvalue), lessThanOrEqual(?nNumvalue, 29.50) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr <= 0.01 and cEntropy <= 0.98 and g\_mean.mean <= 1.79 and nr\_num > 29.50 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.98), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual(?nhighCorrvalue, 0.01), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), lessThanOrEqual(?gmeanvalue, 1.79), NumberOfNumericAttributes(?nNum), hasQuality(?fileObject, ?nNum), hasValue(?nNum, ?nNumvalue), greaterThan(?nNumvalue, 29.50) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr <= 0.01 and cEntropy <= 0.98 and g\_mean.mean > 1.79 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.98), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual(?nhighCorrvalue, 0.01), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), greaterThan(?gmeanvalue, 1.79) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and nr\_cor\_attr <= 0.01 and cEntropy > 0.98 -> class: fcbf

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.98), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual(?nhighCorrvalue, 0.01) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean <= 0.08 and range.mean <= 0.82 -> class chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), lessThanOrEqual(?attrconcvalue, 0.08), Range(?rangee), hasQuality(?fileObject, ?rangee), Mean(?m6), hasQuality(?rangee, ?m6), hasValue(?m6, ?rangeevalue), lessThanOrEqual(?rangeevalue, 0.82) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean <= 0.08 and range.mean > 0.82 -> class GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), lessThanOrEqual(?attrconcvalue, 0.08), Range(?rangee), hasQuality(?fileObject, ?rangee), Mean(?m6), hasQuality(?rangee, ?m6), hasValue(?m6, ?rangeevalue), greaterThan(?rangeevalue, 0.82) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean > 0.08 and nr\_cor\_attr <= 0.76 and g\_mean.mean <= 35.44 and skewness.mean <= 0.06 and range.mean <= 3.54 -> class relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), lessThanOrEqual (?nhighCorrvalue, 0.76), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.08), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), lessThanOrEqual (?gmeanvalue, 35.44), Skewness(?skew), hasQuality(?fileObject, ?skew), Mean(?m7), hasQuality(?skew, ?m7), hasValue(?m7, ?skewvalue), lessThanOrEqual (?skewvalue, 0.06), Range(?rangee), hasQuality(?fileObject, ?rangee), Mean(?m6), hasQuality(?rangee, ?m6), hasValue(?m6, ?rangeevalue), lessThanOrEqual (?rangeevalue, 3.54) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean > 0.08 and nr\_cor\_attr <= 0.76 and g\_mean.mean <= 35.44 and skewness.mean <= 0.06 and range.mean > 3.54 -> class GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), lessThanOrEqual (?nhighCorrvalue, 0.76), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.08), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), lessThanOrEqual (?gmeanvalue, 35.44), Skewness(?skew), hasQuality(?fileObject, ?skew), Mean(?m7), hasQuality(?skew, ?m7), hasValue(?m7, ?skewvalue), lessThanOrEqual (?skewvalue, 0.06), Range(?rangee), hasQuality(?fileObject, ?rangee), Mean(?m6), hasQuality(?rangee, ?m6), hasValue(?m6, ?rangeevalue), greaterThan (?rangeevalue, 3.54) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean > 0.08 and nr\_cor\_attr <= 0.76 and g\_mean.mean <= 35.44 and skewness.mean > 0.06 -> class relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), lessThanOrEqual (?nhighCorrvalue, 0.76), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.08), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), lessThanOrEqual (?gmeanvalue, 35.44), Skewness(?skew), hasQuality(?fileObject, ?skew), Mean(?m7), hasQuality(?skew, ?m7), hasValue(?m7, ?skewvalue), greaterThan (?skewvalue, 0.06) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and nr\_cor\_attr > 0.01 and attr\_conc.mean > 0.08 and nr\_cor\_attr <= 0.76 and g\_mean.mean > 35.44 -> class chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.01), lessThanOrEqual (?nhighCorrvalue, 0.76), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.08), GeometricMean(?gmean), hasQuality(?fileObject, ?gmean), Mean(?m4), hasQuality(?gmean, ?m4), hasValue(?m4, ?gmeanvalue), greaterThan (?gmeanvalue, 35.44) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst <= 335.50 and cEntropy > 0.95 and attr\_conc.mean > 0.08 and nr\_cor\_attr > 0.76 -> class chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), lessThanOrEqual(?ni, 335.50), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.95), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan(?nhighCorrvalue, 0.76), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.08) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc <= 0.00 and snr.mean <= 1.24 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), lessThanOrEqual(?lNoisevalue, 0.00), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), lessThanOrEqual(?nsrvalue, 1.24) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc <= 0.00 and snr.mean > 1.24 and cor.mean <= 0.05 -> class: fcbf

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), lessThanOrEqual(?lNoisevalue, 0.00), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), greaterThan(?nsrvalue, 1.24), Correlation(?corr), Mean(?m1), hasQuality(?fileObject, ?corr), hasQuality(?m1, ?corr), hasValue(?m1, ?corvalue), lessThanOrEqual(?corvalue, 0.05) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc <= 0.00 and snr.mean > 1.24 and cor.mean > 0.05 and attr\_conc.mean <= 0.00 -> class: fcbf

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), lessThanOrEqual(?lNoisevalue, 0.00), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), greaterThan(?nsrvalue, 1.24), Correlation(?corr), Mean(?m1), hasQuality(?fileObject, ?corr), hasQuality(?m1, ?corr), hasValue(?m1, ?corvalue), greaterThan(?corvalue, 0.05), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), lessThanOrEqual(?attrconcvalue, 0.00) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc <= 0.00 and snr.mean > 1.24 and cor.mean > 0.05 and attr\_conc.mean > 0.00 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), lessThanOrEqual(?lNoisevalue, 0.00), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), greaterThan(?nsrvalue, 1.24), Correlation(?corr), Mean(?m1), hasQuality(?fileObject, ?corr), hasQuality(?m1, ?corr), hasValue(?m1, ?corvalue), greaterThan(?corvalue, 0.05), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.00) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr <= 0.12 and attr\_conc.mean <= 0.01 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual (?nhighCorrvalue, 0.12), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), lessThanOrEqual (?attrconcvalue, 0.01) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr <= 0.12 and attr\_conc.mean > 0.01 and nr\_num <= 7.50 and snr.mean <= 4.88 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual (?nhighCorrvalue, 0.12), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan (?attrconcvalue, 0.01), NumberOfNumericAttributes(?nNum), hasQuality(?fileObject, ?nNum), hasValue(?nNum, ?nNumvalue), lessThanOrEqual(?nNumvalue, 7.50), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), lessThanOrEqual(?nsrvalue, 4.88) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr <= 0.12 and attr\_conc.mean > 0.01 and nr\_num <= 7.50 and snr.mean > 4.88 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual (?nhighCorrvalue, 0.12), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan (?attrconcvalue, 0.01), NumberOfNumericAttributes(?nNum), hasQuality(?fileObject, ?nNum), hasValue(?nNum, ?nNumvalue), lessThanOrEqual(?nNumvalue, 7.50), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), greaterThan(?nsrvalue, 4.88) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr <= 0.12 and attr\_conc.mean > 0.01 and nr\_num > 7.50 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), lessThanOrEqual (?nhighCorrvalue, 0.12), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan (?attrconcvalue, 0.01), NumberOfNumericAttributes(?nNum), hasQuality(?fileObject, ?nNum), hasValue(?nNum, ?nNumvalue), greaterThan(?nNumvalue, 7.50) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr > 0.12 and min.mean <= 0.81 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan (?nhighCorrvalue, 0.12), MinimumOfAttributes(?minAttr), hasQuality(?fileObject, ?minAttr), Mean(?m9), hasQuality(?minAttr, ?m9), hasValue(?m9, ?minAttrvalue), lessThanOrEqual(?minAttrvalue, 0.81) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean <= 1.00 and LabelIssuesPerc > 0.00 and nr\_cor\_attr > 0.12 and min.mean > 0.81 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), lessThanOrEqual(?madvalue, 1.00), LabelNoise(?lNoise), hasQuality(?fileObject, ?lNoise), hasValue(?lNoise, ?lNoisevalue), greaterThan(?lNoisevalue, 0.00), NumberOfHighlyCorrelatedAttributes(?nhighCorr), hasQuality(?fileObject, ?nhighCorr), hasValue(?nhighCorr, ?nhighCorrvalue), greaterThan (?nhighCorrvalue, 0.12), MinimumOfAttributes(?minAttr), hasQuality(?fileObject, ?minAttr), Mean(?m9), hasQuality(?minAttr, ?m9), hasValue(?m9, ?minAttrvalue), greaterThan(?minAttrvalue, 0.81) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy <= 0.88 and attr\_to\_inst <= 0.00 -> class: FCBF

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.88), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), lessThanOrEqual(?pifvalue, 0.00) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy <= 0.88 and attr\_to\_inst > 0.00 and sparsity.mean <= 0.20 and nr\_bin <= 0.50 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.88), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan(?pifvalue, 0.00), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), lessThanOrEqual(?sparsvalue, 0.20), NumberOfBinaryAttributes(?nbin), hasQuality(?fileObject, ?nbin), hasValue(?nbin, ?nbinvalue), lessThanOrEqual(?nbinvalue, 0.50) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy <= 0.88 and attr\_to\_inst > 0.00 and sparsity.mean <= 0.20 and nr\_bin > 0.50 and skewness.mean <= -0.82 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.88), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan(?pifvalue, 0.00), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), lessThanOrEqual(?sparsvalue, 0.20), NumberOfBinaryAttributes(?nbin), hasQuality(?fileObject, ?nbin), hasValue(?nbin, ?nbinvalue), greaterThan(?nbinvalue, 0.50), Skewness(?skew), hasQuality(?fileObject, ?skew), Mean(?m7), hasQuality(?skew, ?m7), hasValue(?m7, ?skewvalue), lessThanOrEqual(?skewvalue, -0.82) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy <= 0.88 and attr\_to\_inst > 0.00 and sparsity.mean <= 0.20 and nr\_bin > 0.50 and skewness.mean > -0.82 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.88), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan(?pifvalue, 0.00), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), lessThanOrEqual(?sparsvalue, 0.20), NumberOfBinaryAttributes(?nbin), hasQuality(?fileObject, ?nbin), hasValue(?nbin, ?nbinvalue), greaterThan(?nbinvalue, 0.50), Skewness(?skew), hasQuality(?fileObject, ?skew), Mean(?m7), hasQuality(?skew, ?m7), hasValue(?m7, ?skewvalue), greaterThan(?skewvalue, -0.82) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy <= 0.88 and attr\_to\_inst > 0.00 and sparsity.mean > 0.20 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.88), ProportionOfInstancesPerFeature(?pif), hasQuality(?fileObject, ?pif), hasValue(?pif, ?pifvalue), greaterThan(?pifvalue, 0.00), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), greaterThan(?sparsvalue, 0.20) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy > 0.88 and cEntropy <=0.97 and snr.mean <= 1.18 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.97), greaterThan(?ce, 0.88), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), lessThanOrEqual(?nsrvalue, 1.18) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy > 0.88 and cEntropy <=0.97 and snr.mean > 1.18 -> class: fcbf

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), lessThanOrEqual(?ce, 0.97), greaterThan(?ce, 0.88), NoiseSignalRatio(?nsr), hasQuality(?fileObject, ?nsr), Mean(?m8), hasQuality(?nsr, ?m8), hasValue(?m8, ?nsrvalue), greaterThan(?nsrvalue, 1.18) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy > 0.97 and var.mean <= 6.94 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.97), Variance(?var), hasQuality(?fileObject, ?var), Mean(?m13), hasQuality(?var, ?m13), hasValue(?m13, ?varvalue), lessThanOrEqual(?varvalue, 6.94) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness <= 0.00 and cEntropy > 0.97 and var.mean > 6.94 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00), ClassEntropy(?cEntropy), hasQuality(?fileObject, ?cEntropy), hasValue(?cEntropy, ?ce), greaterThan(?ce, 0.97), Variance(?var), hasQuality(?fileObject, ?var), Mean(?m13), hasQuality(?var, ?m13), hasValue(?m13, ?varvalue), greaterThan(?varvalue, 6.94) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness > 0.00 and kurtosis.mean <= -0.42 -> class: GR

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), lessThanOrEqual(?kurtvalue, -0.42) -> hasValue(?outClass, 'GR')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness > 0.00 and kurtosis.mean > -0.42 and sparsity.mean <= 0.41 -> class: fcbf

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), greaterThan(?kurtvalue, -0.42), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), lessThanOrEqual(?sparsvalue, 0.41) -> hasValue(?outClass, 'fcbf')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean <= 177.98 and Completeness > 0.00 and kurtosis.mean > -0.42 and sparsity.mean > 0.41 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), lessThanOrEqual(?maxvalue, 177.98), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), Kurtosis(?kurt), hasQuality(?fileObject, ?kurt), Mean(?m3), hasQuality(?kurt, ?m3), hasValue(?m3, ?kurtvalue), greaterThan(?kurtvalue, -0.42), Sparsity(?spars), hasQuality(?fileObject, ?spars), Mean(?m12), hasQuality(?spars, ?m12), hasValue(?m12, ?sparsvalue), greaterThan(?sparsvalue, 0.41) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr <= 634.88 and attr\_ent.mean <= 1.70 and Completeness <= 0.00 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual(?paivalue, 634.88), AttributesEntropy(?attrent), hasQuality(?fileObject, ?attrent), Mean(?m15), hasQuality(?attrent, ?m15), hasValue(?m15, ?attentvalue), lessThanOrEqual(?attentvalue, 1.70), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), lessThanOrEqual(?compvalue, 0.00) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr <= 634.88 and attr\_ent.mean <= 1.70 and Completeness > 0.00 and eigenvalues.mean <= 2572799.41 and attr\_conc.mean <= 0.13 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual(?paivalue, 634.88), AttributesEntropy(?attrent), hasQuality(?fileObject, ?attrent), Mean(?m15), hasQuality(?attrent, ?m15), hasValue(?m15, ?attentvalue), lessThanOrEqual(?attentvalue, 1.70), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), EigenValues(?egv), hasQuality(?fileObject, ?egv), Mean(?m14), hasQuality(?egv, ?m14), hasValue(?m14, ?egvvalue), lessThanOrEqual(?egvvalue, 2572799.41), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), lessThanOrEqual(?attrconcvalue, 0.13) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr <= 634.88 and attr\_ent.mean <= 1.70 and Completeness > 0.00 and eigenvalues.mean <= 2572799.41 and attr\_conc.mean > 0.13 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual(?paivalue, 634.88), AttributesEntropy(?attrent), hasQuality(?fileObject, ?attrent), Mean(?m15), hasQuality(?attrent, ?m15), hasValue(?m15, ?attentvalue), lessThanOrEqual(?attentvalue, 1.70), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), EigenValues(?egv), hasQuality(?fileObject, ?egv), Mean(?m14), hasQuality(?egv, ?m14), hasValue(?m14, ?egvvalue), lessThanOrEqual(?egvvalue, 2572799.41), AttributeConcentration(?attrconc), hasQuality(?fileObject, ?attrconc), Mean(?m5), hasQuality(?attrconc, ?m5), hasValue(?m5, ?attrconcvalue), greaterThan(?attrconcvalue, 0.13) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr <= 634.88 and attr\_ent.mean <= 1.70 and Completeness > 0.00 and eigenvalues.mean > 2572799.41 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual(?paivalue, 634.88), AttributesEntropy(?attrent), hasQuality(?fileObject, ?attrent), Mean(?m15), hasQuality(?attrent, ?m15), hasValue(?m15, ?attentvalue), lessThanOrEqual(?attentvalue, 1.70), Completeness(?completeness), hasQuality(?fileObject, ?completeness), hasValue(?completeness, ?compvalue), greaterThan(?compvalue, 0.00), EigenValues(?egv), hasQuality(?fileObject, ?egv), Mean(?m14), hasQuality(?egv, ?m14), hasValue(?m14, ?egvvalue), greaterThan(?egvvalue, 2572799.41) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr <= 634.88 and attr\_ent.mean > 1.70 -> class: chisquare

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), lessThanOrEqual(?paivalue, 634.88), AttributesEntropy(?attrent), hasQuality(?fileObject, ?attrent), Mean(?m15), hasQuality(?attrent, ?m15), hasValue(?m15, ?attentvalue), greaterThan(?attentvalue, 1.70) -> hasValue(?outClass, 'chisquare')", namespaces = [mtl, dmop, dmop1])

nr\_inst > 335.50 and mad.mean > 1.00 and max.mean > 177.98 and inst\_to\_attr > 634.88 -> class: relief

Imp().set\_as\_rule("FeatureSelectionTask(?featureSelectionTask), MetaLearningAlgorithm(?mtl), DataSetClass(?fileObject), hasMetaObjective(?mtl, ?featureSelectionTask), specifiesInputClass(?featureSelectionTask, ?fileObject), StructuredPredictionModelClass(?outClass), specifiesOutputClass(?featureSelectionTask, ?outClass), NumberOfInstances(?nInstances), hasQuality(?fileObject, ?nInstances), hasValue(?nInstances, ?ni), greaterThan(?ni, 335.50), MedianAbsoluteDeviation(?mad), hasQuality(?fileObject, ?mad), Mean(?m11), hasQuality(?mad, ?m11), hasValue(?m11, ?madvalue), greaterThan(?madvalue, 1.00), MaximumOfAttributes(?maxAttr), hasQuality(?fileObject, ?maxAttr), Mean(?m10), hasQuality(?maxAttr, ?m10), hasValue(?m10, ?maxvalue), greaterThan(?maxvalue, 177.98), ProportionOfAttrToInstances(?pai), hasQuality(?fileObject, ?pai), hasValue(?pai, ?paivalue), greaterThan(?paivalue, 634.88) -> hasValue(?outClass, 'relief')", namespaces = [mtl, dmop, dmop1])