**Classification Results with Random Tree classifier:**

=== Run information ===

Scheme: weka.classifiers.trees.RandomTree -K 0 -M 1.0 -V 0.001 -S 1

Relation: DatasetForWeka13Feb2020 - Sheet1

Instances: 391

Attributes: 30

Name

NumAttr

NumOps

NumPubOps

Setters

Getters

Nesting

IFImpl

NOC

NumDesc

NumAnc

DIT

CLD

OpsInh

AttrInh

Dep\_Out

Dep\_In

NumAssEl\_ssc

NumAssEl\_sb

NumAssEl\_nsb

EC\_Attr

IC\_Attr

EC\_Par

IC\_Par

EndWithManager, Controller

HasType, Annotation, List

EndWithFactory, Impl, Implementation

IsEntity

Confidence level

Role Stereotypes

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

RandomTree

==========

EndWithManager, Controller = No

| Name = .org.neuroph.core.Weight : one (1/0)

| Name = .org.neuroph.core.Neuron : two (1/0)

| Name = .org.neuroph.core.NeuralNetwork : two (1/0)

| Name = .org.neuroph.core.Connection : two (1/0)

| Name = .org.neuroph.core.Layer : two (1/0)

| Name = .org.neuroph.core.input.InputFunction : three (1/0)

| Name = .org.neuroph.core.input.WeightsFunction : three (1/0)

| Name = .org.neuroph.core.input.SummingFunction : three (1/0)

| Name = .org.neuroph.core.learning.IterativeLearning : three (1/0)

| Name = .org.neuroph.core.learning.TrainingSet : two (1/0)

| Name = .org.neuroph.core.learning.SupervisedTrainingElement : one (1/0)

| Name = .org.neuroph.core.learning.TrainingElement : one (1/0)

| Name = .org.neuroph.core.learning.UnsupervisedLearning : three (1/0)

| Name = .org.neuroph.core.learning.LearningRule : two (1/0)

| Name = .org.neuroph.core.learning.SupervisedLearning : three (1/0)

| Name = .org.neuroph.core.transfer.TransferFunction : three (1/0)

| Name = .org.neuroph.nnet.learning.BackPropagation : three (1/0)

| Name = .org.neuroph.nnet.learning.OjaLearning : three (1/0)

| Name = .org.neuroph.nnet.learning.SigmoidDeltaRule : three (1/0)

| Name = .org.neuroph.nnet.learning.LMS : three (1/0)

| Name = .org.neuroph.nnet.learning.UnsupervisedHebbianLearning : three (1/0)

| Name = .org.neuroph.nnet.learning.MomentumBackpropagation : three (1/0)

| Name = .org.neuroph.nnet.learning.SupervisedHebbianLearning : three (1/0)

| Name = .org.neuroph.nnet.learning.CompetitiveLearning : three (1/0)

| Name = Data.org.mars\_sim.msp.config.model.construction.Vehicle : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.medical.Skill : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.people.Person : two (1/0)

| Name = Data.org.mars\_sim.msp.config.model.people.PersonalityTypes : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.people.Skill : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.resupply.Equipment : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.resupply.Person : two (1/0)

| Name = Data.org.mars\_sim.msp.config.model.resupply.Vehicle : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.settlement.Equipment : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.settlement.Settlement : one (1/0)

| Name = Data.org.mars\_sim.msp.config.model.settlement.Vehicle : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.Bag : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.Barrel : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.Equipment : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.EVASuit : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.GasCanister : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.LargeBag : one (1/0)

| Name = Data.org.mars\_sim.msp.core.equipment.SpecimenContainer : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.job.Job : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.mission.Mission : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.task.TaskManager : one (0/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.Mind : two (1/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.PersonalityType : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.ai.Skill : one (1/0)

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| Name = Data.org.mars\_sim.msp.core.person.medical.HealthProblem : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.medical.Medication : one (1/0)

| Name = Data.org.mars\_sim.msp.core.person.NaturalAttributeManager : one (0/0)

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| Name = Data.org.mars\_sim.msp.core.person.PhysicalCondition : two (1/0)

| Name = Data.org.mars\_sim.msp.core.structure.Settlement : one (1/0)

| Name = Data.org.mars\_sim.msp.core.time.EarthClock : one (1/0)

| Name = Data.org.mars\_sim.msp.core.vehicle.GroundVehicle : one (1/0)

| Name = Data.org.mars\_sim.msp.core.vehicle.LightUtilityVehicle : one (1/0)

| Name = Data.org.mars\_sim.msp.core.vehicle.Rover : one (1/0)

| Name = Data.org.mars\_sim.msp.core.Coordinates : one (1/0)

| Name = Data.org.mars\_sim.msp.core.Inventory : one (1/0)

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| Name = Data.org.mars\_sim.msp.core.UnitManager : four (1/0)

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| Name = Data.ro.isdc.wro.http.WroFilter : three (1/0)

| Name = Data.ro.isdc.wro.manager.factory.ServletContextAwareWroManagerFactory : three (1/0)

| Name = Data.ro.isdc.wro.manager.WroManager : four (1/0)

| Name = Data.ro.isdc.wro.model.group.processor.AbstractGroupsProcessor : three (1/0)

| Name = Data.ro.isdc.wro.model.group.processor.GroupsProcessor : six (1/0)

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| Name = Data.ro.isdc.wro.model.resource.factory.UriLocatorFactory : six (1/0)

| Name = Data.ro.isdc.wro.model.resource.locator.ClasspathUriLocator : three (1/0)

| Name = Data.ro.isdc.wro.model.resource.locator.ServletContextUriLocator : three (1/0)

| Name = Data.ro.isdc.wro.model.resource.locator.UrlUriLocator : three (1/0)

| Name = Data.ro.isdc.wro.model.resource.processor.impl.css.CssUrlRewritingProcessor : three (1/0)

| Name = Data.ro.isdc.wro.model.resource.Resource : one (1/0)

| Name = Data.ro.isdc.wro.model.resource.ResourceType : three (1/0)

| Name = Data.ro.isdc.wro.model.WroModel : one (1/0)

| Name = Data.ro.isdc.wro.manager.WroManagerFactory : six (1/0)

| Name = Data.ro.isdc.wro.model.factory.WroModelFactory : six (1/0)

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| Name = Data.org.jgap.impl.BestChromosomesSelector : three (1/0)

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| Name = Data.org.jgap.impl.DoubleGene : one (1/0)

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| Name = Data.org.jgap.impl.GaussianMutationOperator : three (1/0)

| Name = Data.org.jgap.impl.IntegerGene : one (1/0)

| Name = Data.org.jgap.impl.MutationOperator : three (1/0)

| Name = Data.org.jgap.impl.WeightedRouletteSelector : three (1/0)

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| Name = Data.org.jgap.Population : one (1/0)

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| Name = Data.javaclient2.structures.fiducial.PlayerFiducialItem : one (1/0)

| Name = Data.javaclient2.structures.ir.PlayerIrPose : one (1/0)

| Name = Data.javaclient2.structures.laser.PlayerLaserConfig : one (1/0)

| Name = Data.javaclient2.structures.laser.PlayerLaserGeom : one (1/0)

| Name = Data.javaclient2.structures.planner.PlayerPlannerWaypointsReq : one (1/0)

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| Name = Data.javaclient2.structures.position1d.PlayerPosition1dGeom : one (1/0)

| Name = Data.javaclient2.structures.position2d.PlayerPosition2dGeom : one (1/0)

| Name = Data.javaclient2.structures.position3d.PlayerPosition3dGeom : one (1/0)

| Name = Data.javaclient2.structures.simulation.PlayerSimulationPose2dReq : one (1/0)

| Name = Data.javaclient2.structures.sonar.PlayerSonarGeom : one (1/0)

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| Name = Data.javaclient2.BlinkenlightInterface : one (1/0)

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| Name = Data.javaclient2.GPSInterface : one (1/0)

| Name = Data.javaclient2.GripperInterface : one (1/0)

| Name = Data.javaclient2.IRInterface : one (1/0)

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| Name = Data.javaclient2.LaserInterface : one (1/0)

| Name = Data.javaclient2.LocalizeInterface : one (1/0)

| Name = Data.javaclient2.LogInterface : one (1/0)

| Name = Data.javaclient2.MapInterface : one (1/0)

| Name = Data.javaclient2.MComInterface : one (1/0)

| Name = Data.javaclient2.PlannerInterface : one (1/0)

| Name = Data.javaclient2.PlayerClient : three (1/0)

| Name = Data.javaclient2.PlayerDevice : three (1/0)

| Name = Data.javaclient2.Position2DInterface : six (1/0)

| Name = Data.javaclient2.Position3DInterface : one (1/0)

| Name = Data.javaclient2.PowerInterface : one (1/0)

| Name = Data.javaclient2.PtzInterface : one (1/0)

| Name = Data.javaclient2.SimulationInterface : one (1/0)

| Name = Data.javaclient2.SonarInterface : one (1/0)

| Name = Data.javaclient2.SoundInterface : one (1/0)

| Name = Data.javaclient2.SpeechInterface : one (1/0)

| Name = Data.javaclient2.SpeechRecognitionInterface : one (1/0)

| Name = Data.javaclient2.WaveformInterface : one (1/0)

| Name = Data.javaclient2.WiFiInterface : one (1/0)

| Name = Data.brain.bo.AbstractBusinessObject : six (1/0)

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| Name = Data.brain.bo.TickerData : one (1/0)

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| Name = Data.brain.bo.UserData : one (1/0)

| Name = Data.brain.gui.charts.AbstractChartingTool : six (1/0)

| Name = Data.brain.gui.charts.ChartingToolsFacade : six (1/0)

| Name = Data.brain.gui.charts.PortfolioChartingTool : three (1/0)

| Name = Data.brain.gui.charts.TickerChartingTool : three (1/0)

| Name = Data.brain.gui.charts.UserChartingTool : three (1/0)

| Name = Data.brain.gui.tree.TreePortfolioBrowser : five (1/0)

| Name = Data.brain.Main : four (1/0)

| Name = Data.dal.DataFeed : six (1/0)

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| Name = Data.ga.Genome : one (1/0)

| Name = Data.ga.RankSelector : three (1/0)

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| Name = UML Model.Logical View.cl.utfsm.acs.acg.core.SourcesManager : one (0/0)

| Name = UML Model.Logical View.cl.utfsm.acs.acg.core.ReductionsManager : one (0/0)

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| Name = UML Model.Logical View.com.cosylab.acs.laser.dao.ACSCategoryDAOImpl : five (1/0)

| Name = UML Model.Logical View.com.cosylab.acs.laser.dao.ACSSourceDAOImpl : five (1/0)

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| Name = UML Model.Logical View.Instrument : one (1/0)

| Name = UML Model.Logical View.SampleContainer : one (1/0)

| Name = UML Model.Logical View.DrugSample : one (1/0)

| Name = UML Model.Logical View.CellSample : one (1/0)

| Name = UML Model.Logical View.DrugOrigin : one (1/0)

| Name = UML Model.Logical View.SampleMarker : one (1/0)

| Name = UML Model.Logical View.WorkList : one (1/0)

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| Name = UML Model.Logical View.PlateType : one (1/0)

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| Name = UML Model.Logical View.LayOutMarker : three (1/0)

| Name = UML Model.Logical View.Well : three (1/0)

| Name = UML Model.Logical View.CellOrigin : five (1/0)

| Name = UML Model.Logical View.MasterPlate : six (1/0)

| Name = UML Model.Logical View.Annotation : five (1/0)

| Name = UML Model.Logical View.PlateFunction : three (1/0)

| Name = UML Model.Logical View.WellFunction : three (1/0)

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| Name = UML Model.Logical View.AbstractBasePlate : six (1/0)

| Name = UML Model.Logical View.Plate : five (1/0)

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| Name = UML Model.Logical View.Picking : three (1/0)

| Name = UML Model.Logical View.ExportScript : three (1/0)

| Name = UML Model.Logical View.PatientSample : one (1/0)

| Name = UML Model.Logical View.PatientOrigin : five (1/0)

| Name = UML Model.Logical View.AbstractURLGrabber : six (1/0)

| Name = UML Model.Logical View.WgetURLGrabber : three (1/0)

| Name = UML Model.Logical View.TestURLGrabber : three (1/0)

| Name = UML Model.Logical View.JSURLGrabber : three (1/0)

| Name = UML Model.Logical View.ShneeParser : three (1/0)

| Name = UML Model.Logical View.AbstractMarkupLangParser : three (1/0)

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| Name = UML Model.Logical View.BitysNode : three (1/0)

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| Name = UML Model.Logical View.Node : six (1/0)

| Name = UML.Logical View.taxistation.MainClass : four (1/0)

| Name = UML.Logical View.taxistation.utils.Accumulator : three (1/0)

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| Name = UML.Logical View.taxistation.model.TaxiStation : three (1/0)

| Name = UML.Logical View.taxistation.model.cars.concrete.PassengerCar : one (1/0)

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| Name = UML Model.Logical View.Map : one (1/0)

| Name = UML Model.Logical View.Robot : one (1/0)

| Name = UML Model.Logical View.Landmark : one (1/0)

| Name = UML Model.Logical View.MapView : three (1/0)

| Name = UML Model.Logical View.RobotView : three (1/0)

| Name = UML Model.Logical View.LandmarkView : three (1/0)

| Name = UML Model.Logical View.SlamController : four (1/0)

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| Name = UML.Logical View.ua.plants.generated.ObjectFactory : three (1/0)

| Name = UML.Logical View.ua.plants.generated.GreenHouse : one (1/0)

| Name = UML.Logical View.ua.plants.parser.dom.DOMParser : three (1/0)

| Name = UML.Logical View.ua.plants.parser.dom.DOMParserFactory : three (1/0)

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| Name = UML.Logical View.ua.plants.parser.XMLParserFactory : three (1/0)

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| Name = UML Model.Logical View.objectcourseend.SmartPostManager : one (0/0)

| Name = UML Model.Logical View.objectcourseend.ObjectCourseEnd : five (1/0)

| Name = UML Model.Logical View.objectcourseend.SaxXML : five (1/0)

| Name = UML Model.Logical View.objectcourseend.FXMLMainControl : one (0/0)

| Name = UML Model.Logical View.objectcourseend.FXMLPackagesControl : one (0/0)

| Name = UML Model.Logical View.objectcourseend.Class\_3 : one (0/0)

| Name = UML Model.Logical View.objectcourseend.Class\_1 : three (1/0)

| Name = UML Model.Logical View.objectcourseend.Class\_2 : three (1/0)

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| Name = UML Model.Logical View.objectcourseend.SmartPost : one (1/0)

| Name = UML Model.Logical View.objectcourseend.Storage : one (1/0)

| Name = UML Model.Logical View.Order : two (1/0)

| Name = UML Model.Logical View.Customer : six (1/0)

| Name = UML Model.Logical View.Employee : six (1/0)

| Name = UML Model.Logical View.MenuItem : six (1/0)

| Name = UML Model.Logical View.Topping : two (1/0)

| Name = UML Model.Logical View.BaseItem : three (1/0)

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| Name = UML Model.Logical View.PerformanceEmployee : three (1/0)

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| Name = UML Model.Logical View.Cashier : three (1/0)

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| Name = UML Model.Logical View.Delivery : three (1/0)

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| Name = untitledModel.PremiumUser : three (1/0)

| Name = untitledModel.GroupPrivacy : six (1/0)

| Name = untitledModel.PublicPrivacy : three (1/0)

| Name = untitledModel.ClosedPrivacy : three (1/0)

| Name = untitledModel.IGroup : six (1/0)

| Name = untitledModel.Group : five (1/0)

| Name = untitledModel.Message : six (1/0)

| Name = untitledModel.ChatMessage : three (1/0)

| Name = untitledModel.GroupChatMessage : three (1/0)

| Name = untitledModel.Post : six (1/0)

| Name = untitledModel.UserPost : three (1/0)

| Name = untitledModel.PagePost : three (1/0)

| Name = untitledModel.PrivacyPost : three (1/0)

| Name = untitledModel.PublicPost : three (1/0)

| Name = untitledModel.PrivatePost : three (1/0)

| Name = untitledModel.CustomPrivacyPost : three (1/0)

| Name = untitledModel.IPage : six (1/0)

| Name = untitledModel.Page : three (1/0)

| Name = untitledModel.Timeline : six (1/0)

| Name = untitledModel.PublicTimeline : three (1/0)

| Name = untitledModel.ProfileTimeline : three (1/0)

| Name = untitledModel.UserModel : two (1/0)

| Name = untitledModel.PageModel : two (1/0)

| Name = untitledModel.GroupModel : two (1/0)

| Name = untitledModel.MessageModel : two (1/0)

| Name = untitledModel.PostModel : two (1/0)

| Name = untitledModel.IHashtag : six (1/0)

| Name = untitledModel.Hashtag : three (1/0)

| Name = UML.Logical View.Talon : one (1/0)

| Name = UML.Logical View.Product : one (1/0)

| Name = UML.Logical View.state : one (1/0)

| Name = UML.Logical View.Contract : one (1/0)

| Name = UML.Logical View.Department : one (1/0)

| Name = UML.Logical View.amount : one (1/0)

| Name = UML.Logical View.User : one (1/0)

| Name = UML.Logical View.Role : one (1/0)

| Name = UML.Logical View.Organization : one (1/0)

| Name = UML.Logical View.Customer : one (1/0)

| Name = UML.Logical View.Price : one (1/0)

| Name = UML.Logical View.Talon::issue : one (1/0)

| Name = UML.Logical View.Talon::repaid : one (1/0)

| Name = UML.Logical View.Talon::Operation : three (1/0)

| Name = UML.Logical View.Product::Operation : three (1/0)

| Name = Data.model.Primitive : one (1/0)

| Name = Data.model.ActionLanguage : three (1/0)

| Name = Data.model.Association : two (1/0)

| Name = Data.model.AssociationClass : one (1/0)

| Name = Data.model.AssociationEnd : two (1/0)

| Name = Data.model.AssociationEndPersistence : three (1/0)

| Name = Data.model.AssociationEndPrimary : one (1/0)

| Name = Data.model.AssociationEndSecondary : one (1/0)

| Name = Data.model.Attribute : two (1/0)

| Name = Data.model.AttributePersistence : one (1/0)

| Name = Data.model.AttributeReferential : three (1/0)

| Name = Data.model.CallEvent : one (1/0)

| Name = Data.model.ChangeEvent : one (1/0)

| Name = Data.model.Class : two (1/0)

| Name = Data.model.ClassPersistence : two (1/0)

| Name = Data.model.DataType : two (1/0)

| Name = Data.model.Event : six (1/0)

| Name = Data.model.ExceptionEvent : one (1/0)

| Name = Data.model.FinalState : one (1/0)

| Name = Data.model.FreeType : one (1/0)

| Name = Data.model.FromState : six (1/0)

| Name = Data.model.Identifier : six (1/0)

| Name = Data.model.IdentifierNonPrimary : three (1/0)

| Name = Data.model.IdentifierParticipant : six (1/0)

| Name = Data.model.IdentifierPrimary : three (1/0)

| Name = Data.model.Index : one (1/0)

| Name = Data.model.InitialState : one (1/0)

| Name = Data.model.ObjectConstraintLanguage : one (1/0)

| Name = Data.model.Operation : two (1/0)

| Name = Data.model.OperationSignature : one (1/0)

| Name = Data.model.Package : two (1/0)

| Name = Data.model.Parameter : one (1/0)

| Name = Data.model.PrimitiveType : one (1/0)

| Name = Data.model.Procedure : one (1/0)

| Name = Data.model.SignalEvent : one (1/0)

| Name = Data.model.Specialization : one (1/0)

| Name = Data.model.SpecializationGroup : one (1/0)

| Name = Data.model.State : two (1/0)

| Name = Data.model.Stately : six (1/0)

| Name = Data.model.StateMachine : two (1/0)

| Name = Data.model.System : two (1/0)

| Name = Data.model.TimerEvent : one (1/0)

| Name = Data.model.ToState : six (1/0)

| Name = Data.model.Transition : one (1/0)

| Name = Data.model.Type : six (1/0)

EndWithManager, Controller = Yes : four (25/0)

EndWithManager, Controller = no : three (1/0)

Size of the tree : 395

Time taken to build model: 0 seconds

=== Predictions on test data ===

inst#,actual,predicted,error,prediction

1,2:two,1:one,+,0.317

2,2:two,1:one,+,0.317

3,2:two,1:one,+,0.317

4,1:one,1:one,,0.317

5,1:one,1:one,,0.317

6,1:one,1:one,,0.317

7,1:one,1:one,,0.786

8,1:one,1:one,,0.907

9,1:one,1:one,,1

10,1:one,1:one,,0.317

11,1:one,1:one,,0.317

12,1:one,1:one,,0.317

13,1:one,1:one,,1

14,1:one,1:one,,0.907

15,1:one,1:one,,0.907

16,1:one,1:one,,0.317

17,1:one,1:one,,0.786

18,1:one,1:one,,0.907

19,1:one,1:one,,1

20,1:one,1:one,,0.786

21,3:three,1:one,+,0.317

22,3:three,5:six,+,1

23,3:three,1:one,+,1

24,3:three,3:three,,0.597

25,3:three,5:six,+,1

26,3:three,3:three,,0.597

27,3:three,3:three,,0.597

28,3:three,1:one,+,0.317

29,3:three,1:one,+,0.317

30,3:three,1:one,+,0.317

31,5:six,1:one,+,0.317

32,5:six,1:one,+,0.907

33,5:six,1:one,+,0.317

34,5:six,1:one,+,0.317

35,5:six,1:one,+,0.317

36,4:four,1:one,+,0.317

37,4:four,1:one,+,1

38,4:four,3:three,+,1

39,6:five,1:one,+,0.317

40,6:five,1:one,+,0.317

1,2:two,1:one,+,0.426

2,2:two,1:one,+,0.426

3,2:two,1:one,+,0.426

4,1:one,1:one,,0.426

5,1:one,1:one,,0.426

6,1:one,1:one,,0.426

7,1:one,1:one,,0.426

8,1:one,1:one,,0.426

9,1:one,1:one,,0.426

10,1:one,1:one,,0.426

11,1:one,1:one,,0.426

12,1:one,1:one,,0.426

13,1:one,1:one,,0.426

14,1:one,1:one,,0.426

15,1:one,1:one,,0.426

16,1:one,1:one,,0.426

17,1:one,1:one,,0.426

18,1:one,1:one,,0.426

19,1:one,1:one,,0.426

20,1:one,1:one,,0.426

21,3:three,1:one,+,0.426

22,3:three,1:one,+,0.426

23,3:three,1:one,+,0.426

24,3:three,1:one,+,0.426

25,3:three,1:one,+,0.426

26,3:three,1:one,+,0.426

27,3:three,1:one,+,0.426

28,3:three,1:one,+,0.426

29,3:three,1:one,+,0.426

30,3:three,1:one,+,0.426

31,5:six,1:one,+,0.426

32,5:six,1:one,+,0.426

33,5:six,1:one,+,0.426

34,5:six,1:one,+,0.426

35,5:six,1:one,+,0.426

36,4:four,1:one,+,0.426

37,4:four,1:one,+,0.426

38,4:four,1:one,+,0.426

39,6:five,1:one,+,0.426

1,2:two,1:one,+,0.521

2,2:two,1:one,+,0.521

3,2:two,1:one,+,0.521

4,1:one,1:one,,0.521

5,1:one,1:one,,0.521

6,1:one,1:one,,0.521

7,1:one,1:one,,0.521

8,1:one,1:one,,0.521

9,1:one,1:one,,0.521

10,1:one,1:one,,0.45

11,1:one,1:one,,0.521

12,1:one,1:one,,0.521

13,1:one,1:one,,0.521

14,1:one,1:one,,0.521

15,1:one,1:one,,0.521

16,1:one,1:one,,1

17,1:one,1:one,,0.521

18,1:one,1:one,,0.521

19,1:one,1:one,,1

20,1:one,1:one,,0.521

21,3:three,3:three,,1

22,3:three,3:three,,1

23,3:three,1:one,+,0.45

24,3:three,3:three,,1

25,3:three,1:one,+,0.521

26,3:three,1:one,+,0.521

27,3:three,3:three,,1

28,3:three,1:one,+,0.521

29,3:three,1:one,+,0.521

30,3:three,1:one,+,0.521

31,5:six,1:one,+,0.45

32,5:six,1:one,+,1

33,5:six,1:one,+,0.521

34,5:six,1:one,+,0.521

35,5:six,1:one,+,0.521

36,4:four,4:four,,1

37,4:four,4:four,,1

38,4:four,4:four,,1

39,6:five,1:one,+,0.521

1,2:two,3:three,+,0.316

2,2:two,3:three,+,0.316

3,2:two,3:three,+,0.316

4,1:one,1:one,,0.781

5,1:one,3:three,+,0.316

6,1:one,1:one,,0.781

7,1:one,1:one,,0.781

8,1:one,1:one,,0.781

9,1:one,3:three,+,1

10,1:one,1:one,,1

11,1:one,3:three,+,0.316

12,1:one,1:one,,1

13,1:one,1:one,,0.781

14,1:one,1:one,,1

15,1:one,1:one,,0.781

16,1:one,1:one,,0.781

17,1:one,3:three,+,0.316

18,1:one,6:five,+,1

19,1:one,1:one,,1

20,1:one,1:one,,0.781

21,3:three,3:three,,0.833

22,3:three,3:three,,0.316

23,3:three,3:three,,0.316

24,3:three,1:one,+,0.781

25,3:three,1:one,+,0.333

26,3:three,3:three,,0.833

27,3:three,3:three,,0.316

28,3:three,3:three,,0.316

29,3:three,3:three,,0.833

30,3:three,3:three,,1

31,5:six,1:one,+,1

32,5:six,5:six,,0.4

33,5:six,5:six,,1

34,5:six,3:three,+,1

35,5:six,5:six,,0.4

36,4:four,3:three,+,0.316

37,4:four,1:one,+,0.781

38,4:four,1:one,+,0.781

39,6:five,3:three,+,1

1,2:two,1:one,+,0.426

2,2:two,1:one,+,0.426

3,2:two,1:one,+,0.426

4,1:one,1:one,,0.426

5,1:one,1:one,,0.426

6,1:one,1:one,,0.426

7,1:one,1:one,,0.426

8,1:one,1:one,,0.426

9,1:one,1:one,,0.426

10,1:one,1:one,,0.426

11,1:one,1:one,,0.426

12,1:one,1:one,,0.426

13,1:one,1:one,,0.426

14,1:one,1:one,,0.426

15,1:one,1:one,,0.426

16,1:one,1:one,,0.426

17,1:one,1:one,,0.426

18,1:one,1:one,,0.426

19,1:one,1:one,,0.426

20,1:one,1:one,,0.426

21,3:three,1:one,+,0.426

22,3:three,1:one,+,0.426

23,3:three,1:one,+,0.426

24,3:three,1:one,+,0.426

25,3:three,1:one,+,0.426

26,3:three,1:one,+,0.426

27,3:three,1:one,+,0.426

28,3:three,1:one,+,0.426

29,3:three,1:one,+,0.426

30,3:three,1:one,+,0.426

31,5:six,1:one,+,0.426

32,5:six,1:one,+,0.426

33,5:six,1:one,+,0.426

34,5:six,1:one,+,0.426

35,5:six,1:one,+,0.426

36,4:four,1:one,+,0.426

37,4:four,1:one,+,0.426

38,4:four,1:one,+,0.426

39,6:five,1:one,+,0.426

1,2:two,2:two,,0.474

2,2:two,2:two,,1

3,2:two,3:three,+,1

4,1:one,1:one,,1

5,1:one,1:one,,0.759

6,1:one,1:one,,1

7,1:one,1:one,,1

8,1:one,1:one,,0.407

9,1:one,1:one,,1

10,1:one,1:one,,1

11,1:one,1:one,,1

12,1:one,1:one,,1

13,1:one,3:three,+,0.486

14,1:one,3:three,+,0.486

15,1:one,1:one,,0.759

16,1:one,1:one,,0.407

17,1:one,3:three,+,0.486

18,1:one,1:one,,0.759

19,1:one,1:one,,1

20,3:three,3:three,,0.486

21,3:three,2:two,+,0.474

22,3:three,3:three,,0.878

23,3:three,2:two,+,0.333

24,3:three,3:three,,0.667

25,3:three,2:two,+,0.474

26,3:three,3:three,,0.878

27,3:three,3:three,,0.878

28,3:three,3:three,,0.486

29,3:three,3:three,,0.878

30,3:three,1:one,+,1

31,5:six,1:one,+,0.407

32,5:six,4:four,+,1

33,5:six,1:one,+,0.667

34,5:six,3:three,+,1

35,4:four,4:four,,1

36,4:four,6:five,+,1

37,4:four,3:three,+,0.878

38,4:four,4:four,,1

39,6:five,3:three,+,0.486

1,2:two,1:one,+,0.813

2,2:two,1:one,+,0.288

3,2:two,2:two,,0.5

4,1:one,1:one,,0.572

5,1:one,1:one,,1

6,1:one,1:one,,0.927

7,1:one,1:one,,0.455

8,1:one,5:six,+,1

9,1:one,1:one,,1

10,1:one,1:one,,0.615

11,1:one,1:one,,0.927

12,1:one,1:one,,1

13,1:one,1:one,,0.288

14,1:one,5:six,+,1

15,1:one,1:one,,0.927

16,1:one,1:one,,0.927

17,1:one,1:one,,1

18,1:one,1:one,,1

19,1:one,6:five,+,0.75

20,3:three,3:three,,1

21,3:three,3:three,,1

22,3:three,5:six,+,0.5

23,3:three,1:one,+,0.288

24,3:three,1:one,+,1

25,3:three,3:three,,0.833

26,3:three,1:one,+,1

27,3:three,2:two,+,1

28,3:three,3:three,,1

29,3:three,3:three,,1

30,3:three,5:six,+,0.5

31,5:six,1:one,+,0.481

32,5:six,5:six,,1

33,5:six,1:one,+,0.288

34,5:six,1:one,+,0.288

35,4:four,1:one,+,0.813

36,4:four,5:six,+,1

37,4:four,1:one,+,0.288

38,4:four,1:one,+,0.288

39,6:five,1:one,+,0.813

1,2:two,5:six,+,1

2,2:two,3:three,+,0.82

3,2:two,1:one,+,0.909

4,1:one,2:two,+,0.5

5,1:one,1:one,,0.909

6,1:one,1:one,,0.429

7,1:one,3:three,+,0.75

8,1:one,1:one,,1

9,1:one,1:one,,0.313

10,1:one,2:two,+,0.5

11,1:one,1:one,,1

12,1:one,1:one,,0.833

13,1:one,1:one,,1

14,1:one,1:one,,1

15,1:one,1:one,,0.909

16,1:one,1:one,,0.727

17,1:one,1:one,,1

18,1:one,1:one,,0.6

19,1:one,1:one,,1

20,3:three,6:five,+,1

21,3:three,1:one,+,0.313

22,3:three,3:three,,1

23,3:three,1:one,+,0.727

24,3:three,3:three,,0.82

25,3:three,1:one,+,0.313

26,3:three,3:three,,0.82

27,3:three,3:three,,0.82

28,3:three,3:three,,0.82

29,3:three,1:one,+,1

30,3:three,3:three,,0.82

31,5:six,1:one,+,0.407

32,5:six,1:one,+,0.313

33,5:six,1:one,+,0.407

34,5:six,1:one,+,0.909

35,4:four,3:three,+,0.82

36,4:four,1:one,+,0.727

37,4:four,1:one,+,0.313

38,4:four,1:one,+,0.909

39,6:five,4:four,+,0.429

1,2:two,2:two,,1

2,2:two,2:two,,1

3,1:one,1:one,,0.757

4,1:one,1:one,,0.438

5,1:one,1:one,,0.757

6,1:one,1:one,,0.438

7,1:one,1:one,,0.757

8,1:one,1:one,,0.757

9,1:one,1:one,,0.438

10,1:one,1:one,,0.757

11,1:one,1:one,,0.757

12,1:one,1:one,,0.438

13,1:one,1:one,,0.757

14,1:one,1:one,,0.438

15,1:one,1:one,,0.875

16,1:one,1:one,,0.757

17,1:one,1:one,,0.757

18,1:one,1:one,,0.757

19,1:one,1:one,,0.438

20,3:three,4:four,+,0.385

21,3:three,1:one,+,0.438

22,3:three,3:three,,1

23,3:three,3:three,,1

24,3:three,1:one,+,0.757

25,3:three,4:four,+,1

26,3:three,3:three,,1

27,3:three,2:two,+,1

28,3:three,1:one,+,0.667

29,3:three,3:three,,1

30,5:six,1:one,+,1

31,5:six,3:three,+,0.519

32,5:six,3:three,+,0.519

33,5:six,1:one,+,0.438

34,5:six,1:one,+,0.438

35,4:four,4:four,,0.385

36,4:four,3:three,+,0.519

37,4:four,1:one,+,0.5

38,6:five,1:one,+,0.875

39,6:five,1:one,+,0.875

1,2:two,1:one,+,0.426

2,2:two,1:one,+,0.426

3,1:one,1:one,,0.426

4,1:one,1:one,,0.426

5,1:one,1:one,,0.426

6,1:one,1:one,,0.426

7,1:one,1:one,,0.426

8,1:one,1:one,,0.426

9,1:one,1:one,,0.426

10,1:one,1:one,,0.426

11,1:one,1:one,,0.426

12,1:one,1:one,,0.426

13,1:one,1:one,,0.426

14,1:one,1:one,,0.426

15,1:one,1:one,,0.426

16,1:one,1:one,,0.426

17,1:one,1:one,,0.426

18,1:one,1:one,,0.426

19,1:one,1:one,,0.426

20,3:three,1:one,+,0.426

21,3:three,1:one,+,0.426

22,3:three,1:one,+,0.426

23,3:three,1:one,+,0.426

24,3:three,1:one,+,0.426

25,3:three,1:one,+,0.426

26,3:three,1:one,+,0.426

27,3:three,1:one,+,0.426

28,3:three,1:one,+,0.426

29,3:three,1:one,+,0.426

30,5:six,1:one,+,0.426

31,5:six,1:one,+,0.426

32,5:six,1:one,+,0.426

33,5:six,1:one,+,0.426

34,5:six,1:one,+,0.426

35,4:four,1:one,+,0.426

36,4:four,1:one,+,0.426

37,4:four,1:one,+,0.426

38,6:five,1:one,+,0.426

39,6:five,1:one,+,0.426

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances 205 52.4297 %

Incorrectly Classified Instances 186 47.5703 %

Kappa statistic 0.2468

Mean absolute error 0.1945

Root mean squared error 0.3364

Relative absolute error 80.7583 %

Root relative squared error 97.0674 %

Total Number of Instances 391

=== Detailed Accuracy By Class ===

TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class

0.916 0.621 0.524 0.916 0.667 0.336 0.748 0.643 one

0.179 0.019 0.417 0.179 0.250 0.238 0.707 0.207 two

0.359 0.083 0.607 0.359 0.451 0.335 0.671 0.465 three

0.182 0.011 0.600 0.182 0.279 0.300 0.646 0.252 four

0.085 0.023 0.333 0.085 0.136 0.117 0.647 0.206 six

0.000 0.011 0.000 0.000 0.000 -0.019 0.647 0.089 five

Weighted Avg. 0.524 0.292 0.504 0.524 0.461 0.288 0.701 0.461

=== Confusion Matrix ===

a b c d e f <-- classified as

153 2 8 0 2 2 | a = one

17 5 5 0 1 0 | b = two

54 5 37 2 4 1 | c = three

20 0 5 6 1 1 | d = four

38 0 4 1 4 0 | e = six

10 0 2 1 0 0 | f = five