/* Estimates covariance statistics given reader data for two modalities * Key fields * -- {@link #AUCsReaderAvg} * -- {@link #AUCs} * -- {@link #momentsAA}, {@link #momentsAB}, {@link #momentsBB} * -- {@link #momentsBiasedAA}, {@link #momentsBiasedAB}, {@link #momentsBiasedBB} * -- {@link #coefficientsAA}, {@link #coefficientsAB}, {@link #coefficientsBB} * -- {@link #fullyCrossedA}, {@link #fullyCrossedB}, {@link #fullyCrossedAB} * @author Xin He, Ph.D, * @author Brandon D. Gallas, Ph.D * @author Rohan Pathare */ /* {@link mrmc.core.InputFile} */ /* {@link mrmc.core.DBRecord} */ /* {@link mrmc.gui.SizePanel} n*/ /* The U-statistic moments according to momentsAA = new double[9], momentsBB = new double[9], momentsAB = new double[9]; Gallas2009 Commun-Stat-A-Theor v38p2586 (first element is empty). */ /* The MLE moments according to momentsAA = new double[9], Gallas2009_Commun-Stat-A-Theor_v38p2586 (first element is empty). */ /* The coefficients according to coefficientsAA = new double[9], coefficientsBB = new double[9], coefficientsAB = new double[9]; Gallas2009 Commun-Stat-A-Theor v38p2586 (first element is empty) */ public double[][][] t0_modAB, t1_modAB, t0_modAA, t1_modAA, t0_modBB, t1_modBB; /* The MLE moments according to Gallas2009_Commun-Stat-A-Theor_v38p2586 d1_modAB, d0_modAA, d1_modAA, d0_modBB, (first element is empty). */ public double[][][] t0_modAB, t1_modAB, t0_modAA, /* The scores from the readers */ public int[][][] d0_modAB, d1_modAB, d0_modAA, /* The reader-averaged auc for each modality */ /* The AUCs for each reader and private long Nnormal, Ndisease, Nreader; modality [Nreader][2] */ End