Computed fields in 'WD X - Budget Model Class Enrollment'

This file identifies all computed fields in Brio-Hyperion model
"WD X-Budget Model Class Enrollment.bqy" and where they are later referenced.

Computed Field	Def	Reference / Development Notes
Q-Students in Term		
krTermAndEmplid	Academic_Term_Dm.Academic_Term_Sdescr ||'-'|| Person_Data_Dm.Employee_Id	Concatenation of term and student ID. Used in join of Q-Students in class and term LOCAL .
Q - Class Enrollment SS2		
Krclassid	Class_Enrollment_Ss.Academic_Term_Sdescr || '-' || Class_Enrollment_Ss.Session_Code || '-' || Class_Enrollment_Ss.Class_Number	Concatenation of term, session and class number. Used in later join.
KrEmplidCourseid	Class_Enrollment_Ss.Academic_Term_Sdescr || '-' ||Class_Enrollment_Ss.Session_Code || '-' || Class_Enrollment_Ss.Employee_Id || '-' || Class_Enrollment_Ss.Course_Id	Concatenation of term, session, student id and course id. Used in krSumOfUnitsTakenAcrossTheCourse and in final report section's field krIsPrimaryComponentDupe.
KrTermAndEmplid	Class_Enrollment_Ss.Academic_Term_Sdescr ||'-'|| Class_Enrollment_Ss.Employee_Id	Concatenation of term and student ID. Used in join of Q-Students in class and term LOCAL .
krSumOfUnitsTakenAcrossTheCourse (in Result section)	Sum (Unt_Taken, krEmplidCourseid)	Summation of the units taken in this course by this student in this term and session (over all components). Used in final results to limit to more than or equal to 1.
Q-Students in class and term LOCAL		
No calc'd fields		
Q-Course Offering Acad Group LOCAL		
No calc'd fields		
Q-Class Local		
krIsCompPrimary	CASE WHEN al1.ssr_component = 'LEC' THEN 1 WHEN exists (select '' from sadw.class_dm where course_id = al1.course_id and Class_Currnt_Flg = 'C' and Course_Offer_Number=al1.Course_Offer_Number and academic_term_sdescr = al1.academic_term_sdescr and Session_Code=al1.Session_Code and ssr_component in ('LEC')) THEN 0 WHEN	Flag for 'Primary Component' of a course – in this order: LEC then SEM and then finally where ssr component = component primary. (1=yes, 0 = no) Used in a final filter to only return those = 1.

	al1.ssr_component = 'SEM'
	THEN 1
	
	WHEN
	  exists (select ''
	      from sadw.class_dm
	      where
	      course_id = al1.course_id
	       and Class_Currnt_Flg = 'C'
	      and
	Course_Offer_Number=al1.Course_Offer_Number
	      and academic_term_sdescr =
	al1.academic_term_sdescr
	      and Session_Code=al1.Session_Code
	      and ssr_component in ('SEM'))
	THEN 0
	
	WHEN al1.ssr_component =
	al1.component_primary
	THEN 1
	
	WHEN al1.ssr_component is NULL
	THEN null
	
	ELSE 0
	END as Principal_or_Subcourse	

krclassid	Class_Dm.Academic_Term_Sdescr || '-' || Class_Dm.Session_Code || '-' || Class_Dm.Class_Number	Concatenation of term, session and class number. Used in join of R-class to R-Instructor.
Q-Instructor		
krclassid	Class_Dm.Academic_Term_Sdescr || '-' || Class_Dm.Session_Code || '-' || Class_Dm.Class_Number	Concatenation of term, session and class number. Used in join of R-class to R-Instructor.
krInstructorPercentage	1/Count(DISTINCT NVL (Request.Emplid_Instr, 'Unk')) OVER (PARTITION BY Request.krclassid)	Percentage of this class by primary instructor. If a class has no primary instructor, it returns no rows. Used in calculation of krClassInstructorPercentage.
krClassandInstructor	Class_Dm.Academic_Term_Sdescr || '-' || Class_Dm.Session_Code || '-' || Class_Dm.Class_Number || '-' || Class_Instructor_Fc.Emplid	Concatenation of term, session, class number and instructor emplid. Used in sorts and in the next field (below).
Next Compare (in Result section)	Next (krClassandInstructor) == krClassandInstructor	Is used to reduce granularity from 1 row per class/instructor/jobrecord (in section R-Instructor) to 1 row per class/instructor (in section T-Instructor). Row selection includes job record related to the instructor's Primary academic record.
R-Class and Instructor LOCAL		
krClassInstructorPercentage	Nvl (krInstructorPercentage, 1)	Forces a '1' into those classes where no instructor was returned.

df Teaching College	if (Instructor_Role == 'PI')
	{AcademicGroupOfCourseOfferNbr1 }
	if (Emplid_WD == null) {'No WD Record'}
	 if (Emplid_Instr == null) {'No Primary Inst'}
	
	 if (Ais_Acad_Unit_College== 'Agriculture and Life Sciences') {'AG' }
	if (Ais_Acad_Unit_College == 'Architecture Art and Planning') {'AR' }
	if (Ais_Acad_Unit_College == 'Arts and Sciences')
		Derivation of 'Teaching College' for the class.
		<u>Of note:</u>
		Assigns no college (i.e., 'No WD Record' or 'No Primary Inst') if no

	{'AS' }
	if (Ais_Acad_Unit_College == 'Johnson Graduate School of Management') {'GM' }
	if (Ais_Acad_Unit_College == 'Engineering') {'EN' }
	if (Ais_Acad_Unit_College == 'Hotel Administration') {'HA' }
	if (Ais_Acad_Unit_College == 'Human Ecology') {'HE' }
	if (Ais_Acad_Unit_College == 'Industrial and Labor Relations') {'IL' }
	if (Ais_Acad_Unit_College == 'Law School') {'LA' }
	if (Ais_Acad_Unit_College == 'Vet School') {'VM' }
	if (Ais_Acad_Unit_College == 'Computing and Information Sci') {'CIS' }
	if (Ais_Acad_Unit_College == 'CornellNYC Tech') {'NYTECH' }
	
	if (Ais_Acad_Unit_Code== 'COMS') {'CIS' }
	if (Ais_Acad_Unit_Code == 'INFOSCI') {'CIS' }
	if (Ais_Acad_Unit_Code == 'F56') {'CIS' }
	if (Ais_Acad_Unit_Code == 'DSS') {'CIS' }
	
	if (AcademicGroupOfCourseOfferNbr1 == 'CU' && SubjectofCourseOfferNbr1 == 'OVST') {'Cornell Abroad' }
	if (AcademicGroupOfCourseOfferNbr1 == 'AT') {'Athletics' }
	if (AcademicGroupOfCourseOfferNbr1 == 'OT') {'ROTC' }
	if (Course_Id == '361118') {'Exchange Out' }
	if (Course_Id == '361710') {'Exchange Out' }
	if (Course_Id == '363490') {'Exchange Out' }
	if (Course_Id == '364126') {'Exchange Out' }
		active Workday job or if no SADM class instructor.
		Assigns 'Exchange Out', 'Athletics', 'ROTC', 'CU Abroad' using course/class data;
		Assigns the AIS College of Primary academic appointment where it exists, except assigns 'CIS' for some AIS Acad_Depts.

R-Students in class and term plus instructor if any LOCAL		
krIsPrimaryComponentDupe	if (krclassid != ColMin (krclassid, krEmplidCourseid)) {1}	Is used to identify (and remove) duplicate records. Duplicate records arise when a student is enrolled in the same course more than once in a term and session. The units are included, but the enrollments are not when the duplicates are removed.
krTeachingCollegesCreditsPortion Teaching Colleges Credits Portion	krSumOfUnitsTakenAcrossTheCourse * krClassInstructorPercentage krTeachingCollegesCreditsPortion	Credits attributed to instructor. Is used for reporting purposes.
CY	Substr(Academic_Term_Sdescr, 1, 4)	Is used for reporting purposes.
Instructor Enrollment	krClassInstructorPercentage	Is used for reporting purposes.
Teaching College	df_Teaching_College	Is used for reporting purposes.