



Data Access Tags for Searching, Reporting & Exporting

Data Access Tags (DATs) provide access to data not contained in a specific table or field. DATs can be used to search, display, report and export data. Below are frequently used DATs as well as some examples of using DATs on Group Function > List Students.

Searching

Use these Data Access Tags when searching from the Start Page in PowerSchool.

Data Element	DAT
Birthday (date)	*birthday = 5/1
Birthday (month)	*birthday >= 5/1;*birthday <= 5/31
Birthday (today)	*birthday = today
Requested Credit Hours	*hours_requested < 7.5
Resource Students	*special_program = resource
Students in a course	*enrolled_in = 9500
Students in a course and section	*enrolled_in = 9500.08
Students not enrolled in a period	*not_enrolled_in_period=1
Students not enrolled in a course	*not_enrolled_in = 9500
Students who have completed a course	*has_completed_course = 9500
Students who have not completed a course	*has_not_completed = 9500
Students with X amount of credits	*cumulative_credit_hours < 16
Students with X number of attendance points	*attendance_points > 3.0 (per term *attendance_points(Q4) > 3.0)
Students with X number of classes	*number_of_classes < 6
Total Active Students	*as_of = 9/15/2015

Reporting and Exporting

The following DATs can be used to display, report and/or export information in Direct Database Export, Quick Export, Object Reports, List Students, Report Cards, Form Letters and Mailing Labels.

Data Element	DAT
Class Rank	^(*class_rank)
Class Rank Out of N	^(*class_rank_out_of)
Credit hours	^(*credit_hours)
Credit hours by grade level	^(*credit_hours;09); ^(*credit_hours;10)...
Cumulative GPA (weighted)	^(*gpa)
Daily Absences (calculated) Yearly; Term, Date Range	^(*DABS), ^(*DABS;S2), ^(*DABS;9/1/2015;10/31/2016)
Daily Attendance Count (calculated) by code	^(*daily.att.count); ^(*daily.att.count;;S1); ^(*daily.att.count;;T,A;Q1)
Daily Attendance Count (calculated) by category	^(*daily.att.count;;abs); ^(*daily.att.count;;Tardy;Q1)
Date (letter, short, format)	^[letter.date], ^[short.date], ^[date;dateformat=xxx]
Decode Gender	^(decode;^(gender);m;Male;F;Female)
Decode Grade Level	^(decode;^(grade_level);-1;PreSchool;0;KDG;9;Freshman)
District ID Number	^([9]districtnumber)
Extract Area Code only	^(home_phone;extract.areacode)
GPA Method	~(*gpa method="VALUE" type="VALUE" grade="VALUE" credittype="VALUE")
If/Then	^(ethnicity;if.fieldvalue#Caucasian.then=Other)
Period Info Current Citizenship	^(*period_info;expression;current_citizenship)
Period Info Course Name	^(*period_info;expression;course_name)
Period Info Course Number	^(*period_info;expression;course_number)
Period Info Current Grade	^(*period_info;expression;current_grade)
Period Info Room	^(*period_info;expression;room)
Period Info Section Number	^(*period_info;expression;section_number)
Period Info Teacher Comment	^(*period_info;expression;teacher_comment)
Period Info Teacher First Name	^(*period_info;expression;teacher_i_first_name)



Data Element	DAT
Period Info Teacher Last Name	^(*period_info;expression;teacher_l_last_name)
Period Info Teacher Name	^(*period_info;expression;teacher_name)
Period Info Teacher Title	^(*period_info;expression;teacher_l_title)
Potential Credit Hours	^(*potential_credit_hours)
Potential Credit Hours by grade	^(*potential_credit_hours;12)
Principal Name	^([Schools]Principal)
Principal Phone	^([Schools]PrincipalPhone)
School Name, Abbreviation	^(schoolname), ^(schoolabbr)
School Phone	^([39]schoolphone)
School Street, City, State, Zip	^([39]SchoolAddress), ^([39]schoolcity), ^([39]schoolstate), ^([39]schoolzip)
School Year Abbreviation, Name	^(yearabbr), ^(yearname)
School Year Term Abbreviation	^(abbyearterm)
Smart Pronouns he/she, him/her (lower case)	^(he/she), ^(him/her)
Smart Pronouns He/She, His/Her (Upper Case)	^(He/She), ^(His/Her)
Smart son/daughter	^(son/daughter)
Student Name Concatenated (Last, First)	^(lastfirst), ^(lastfirst;lowercase), ^(lastfirst;uppercase)
Student Age, Student Age long	^(age), ^(age;long)
Teacher Comments	^(teachercomments)
Term Abbreviation, Name	^(termabbr), ^(termname)



List Students

When using DATs in the List Students function, do not use the parentheses or the caret (^)/tilde (~). The page is automatically includes the leading caret/tilde and leading and closing parentheses.

Report Title (shown at top of page): <input type="text" value="Second Period Information"/>		
Col	Field Name	Column Title
1.	Fields <input type="text" value="*count"/>	<input type="text" value="# of Rows"/>
2.	Fields <input type="text" value="lastfirst"/>	<input type="text" value="Name"/>
3.	Fields <input type="text" value="*period_info;2(A);teacher_name"/>	<input type="text" value="Teacher"/>
4.	Fields <input type="text" value="*period_info;2(A);room"/>	<input type="text" value="Room"/>
5.	Fields <input type="text" value="*period_info;2(A);course_name"/>	<input type="text" value="Course"/>
6.	Fields <input type="text"/>	<input type="text"/>
7.	Fields <input type="text"/>	<input type="text"/>

Formatting and Concatenating DATs in List Students

Formatting the resulting list is through the use of html codes, keeping in mind the difference between html "codes" and PowerSchool DATs. Some of the more commonly used html codes include
 (line break); (bold); <i> (italics); <center>. Use the sample syntax below for guidance on the use of html codes.

Multiple fields can be concatenated and displayed in a single "Field" on List Students. To do this simply leave the "~(" off the first code and "~)" off the last. As an example: first_name) ~(last_name);

Col.	Field Name and/or DAT	Column Title
1	*count	#
2	first_name) ~(last_name) ~(street) ~(city), ~(state) ~(zip)	<center>Name Address
3	decode;~(grade_level);9;Freshman;10;Sophomore;11;Junior;12;Senior	Grade
4	*cumulative_credit_hours) ~(*class_rank_out_of	Credit Hours Class Rank
5	*gpa method="weighted"	Weighted GPA

Result

#	Name Address	Grade	Credit Hour Rank	GPA Weighted
1.	Nicholas Butterfield 508 Oriole Dr Jackson, MS 39204	Freshman	2.5 109 of 201	3.0002
2.	Holly Butler 706 Maple St Jackson, MS 39203	Freshman	4.0 70 of 201	3.4585
3.	Joshua Bushman 741 Chickasaw Ave Jackson, MS 39206	Freshman	3.0 31 of 201	3.6666
4.	Heather Burleigh 510 Witsell Rd Jackson, MS 39206	Sophomore	10.5 12 of 109	3.3501