

DonorsChoose.org Challenge

Data Dictionaries

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project

All of the data below comes from our internal production database.

Field	Format	Definition
project_hashed_id 🔑	string	Unique project identifier.
project_title	string	The title the teacher chooses for their project essay.
project_essay_one	string	<p>The first section of a teacher's project essay. In this section, we ask teachers to describe their students.</p> <p>We prompt them with the following: "Describe your students. Tell us what you love about your students. What makes them special? Specific details and anecdotes about your students are helpful."</p>
project_essay_two	string	<p>The second essay of a teacher's project. In this section, we ask teachers to describe the goals of the project, (though often they talk about their students in this section as well).</p> <p>We prompt them with the following: "How will these materials make a difference in your students' learning?"</p>
project_cost	float	The total cost of the project.
project_posted_date	yyyy-mm-dd	The date the project was posted live to DonorsChoose.org.
project_funded_date	yyyy-mm-dd	The date the project met the funding goal. If NULL, the project did not meet the funding goal.
project_impact_letter	string	After a project is funded and the materials are delivered or the student experience has been completed, we ask

		teachers to write a short letter describing the impact the project had on their students.
project_subj_cat_tree	string	<p>Teachers choose up to two main subject categories for their project. The 8 potential subject categories are:</p> <ol style="list-style-type: none"> 1. Applied Learning 2. Health & Sports 3. History & Civics 4. Literacy & Language 5. Math & Science 6. Music & The Arts 7. Special Needs 8. Warmth, Care & Hunger <p>If the teacher selects two, this field includes both, (e.g. "Special Needs History & Civics").</p>
project_subj_subcat_tree	string	<p>When a teacher chooses the main subject category for their project, we ask them select up to two more specific subject subcategories for their project. There are 29 potential subject subcategories, including ESL, College & Career Prep, etc.</p> <p>If the teacher selects two, this field includes both, (e.g. "ESL Financial Literacy").</p>
project_grade_cat	string	Teachers choose the primary grade levels that will benefit from this project.
project_resource_type	string	Teachers can request physical resources for their students through any of our integrated vendors (a materials project), or they can choose to request funding for a class trip or to pay a visitor to come to their classroom, or special resources from an outside vendor (a special request).
teacher_hashed_id (FK)	string	Unique teacher identifier.
school_hashed_id (FK)	string	Unique school identifier.

resource

data below comes from our internal production database.

Field	Format	Definition
resource_hashed_id 🔑	string	Unique resource identifier.
project_hashed_id (FK)	string	Unique project identifier.
resource_clean_item_name	string	The name of the resource we get from vendors, stripping away excess punctuation and spacing.
resource_quantity	float	The quantity of the resource the teacher requested.
resource_unit_price	float	The unit price of the resource.
resource_predicted_category	string	The output of a model we built in house that predicts the category of each resource. We're still tuning this model so the accuracy varies greatly across different categories, (we're generally better at predicting what falls under "Computers & Tablets," versus "Lab Equipment.")

school

Most of the data below is sourced from the [National Center for Education Statistics \(NCES\)](#), or [MDR Education](#).

Field	Format	Definition
school_hashed_id 🔑	string	Unique school identifier.
school_address_state	string	State
school_address_city	string	City
school_address_zip	integer	Zip code (5-digit)
school_address_district	string	District
school_dist_percent_ell_students	float	The percentage of students within the <i>district</i> who are categorized as "ELL Students."
school_bilingual_prgm	boolean	Does the school have a bilingual program?
school_esl_prgm	boolean	Does the school have an ESL/ELL program?
school_dist_number_ell_students	float	The number of ELL students in the <i>district</i> .
school_metro_type	string	Whether the school is in a rural area, an urban area, a suburb, or a town.

school_perc_free_lunch	float	The percentage of students at the school who qualify for free or reduced price lunch, (a measure of economic need).

donation

All of the data below comes from our internal production database. This is only first-time donor data, (but a donor can check out with more than one donation in their cart, so it's possible for donor IDs to repeat).

Field	Format	Definition
donor_hashed_id (FK)	string	Unique donor identifier.
donor_state	string	State mapped to donor's billing zip code.
project_hashed_id (FK)	string	Unique project identifier.
donation_hashed_id 🔑	string	Unique donation identifier.
donation_message	string	The message the donor left the classroom, (this is optional).
donation_amount	float	The amount the donor gave.
donation_date	yyyy-mm-dd	The date of the donation.
donation_is_teacher_referred	boolean	Whether we believe the donor knows the teacher personally.

donor_supplemental

The majority of the data below comes from TargetSmart.


Field	Format	Definition
donor_hashed_id 🔑	string	Unique donor identifier (which maps to our production database).
vb_tsmart_city	string	City
vb_tsmart_state	string	State
vb_voterbase_marital_status	string	Indicates whether the individual is married or unmarried
vb_eteach_religion	string	Religious affiliation
vb_vf_party	string	Party Affiliation of the voter

vb_household_income_amount	integer	Household income
vb_education		Indicates the highest level of education completed by the individual
vb_voterbase_gender		Multi-sourced gender code (voter file, or commercially-appended)
vb_voterbase_age		Age
xpbb_behaviorbank_interest_in_volunteering	string	Individual self-reported that they have an interest in volunteering (possible values: 'Y' = yes; 'U' = unknown)
xpbb_behaviorbank_purchase_via_television	string	Individual self-reported that shop via television (possible values: 'Y' = yes; 'U' = unknown)
xpbb_behaviorbank_purchase_via_phone	string	Individual self-reported that they shop via phone (possible values: 'Y' = yes; 'U' = unknown)
xpbb_behaviorbank_purchase_via_online	string	Individual self-reported that they shop online (possible values: 'Y' = yes; 'U' = unknown)
xpbb_hhlifestylbuying_interestby_internet		Individual self-reported that they prefer to shop online (possible values: 'Y' = yes; 'U' = unknown)
xpbb_behaviorbank_purchased_through_the_mail		Individual self-reported that they shop through the mail (possible values: 'Y' = yes; 'U' = unknown)
xpbb_hhlifestylinfo_buying_prefer_info_by_email		(possible values: 'Y' = yes; 'U' = unknown)
tb_person_online_flg	integer	Does the person have an online presence? 1 = yes
tb_person_facebook_flg	integer	Is the person on Facebook? 1 = yes
xpbb_behaviorbank_donates_to_environmental_causes	string	Individual self-reported that they donate to environmental causes (possible values: 'Y' = yes; 'U' = unknown)
xpbb_behaviorbank_contributes_to_charities	string	Individual self-reported that they contribute to charity (possible values: 'Y' = yes; 'U' = unknown,)
xpbb_hhlifestylcontributionshumanitarian	string	Individual self-reported that they contribute to humanitarian causes (possible values: 'Y' = yes; 'U' = unknown)
xpbb_hhlifestylcontributionpolitical	string	Do they contribute to political causes?
vb_homeowner_indicator	string	Are they a homeowner? (possible values: 'Y' = yes; 'U' = unknown, 'N' = no)

vb_number_of_children_in_household	integer	Number of children in their household
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teacher_survey

All of the data below is self-reported, sourced from teachers through a survey DonorsChoose.org conducted.

Field	Format	Definition
teacher_hashed_id 	string	Unique teacher identifier.
q1_num_students	integer	Approximately how many students do you teach per year? Please enter a numerical value.
q2_num_ell_students	integer	Approximately how many of your students are ELL students (English Language Learners)? Please enter a numerical value.
q3_num_refugee_students	integer	Approximately how many students in your classroom are considered refugees? Please enter a numerical value.
q4a_stud_parent_born_outside_us	string	Do any of your students have parents that are born outside of the US?
q4a_stud_parent_refugee	string	Do any of your students have parents that are refugees?
q5a_ell_academic_perf	string	How well do your ELL (English Language Learners) students perform academically compared to non-ELL students?
q5b_refugee_academic_perf	string	How well do your refugee students perform academically compared to non-refugee students?
q6a_ell_attendance	string	Which of the following best describes what attendance looks like for ELL students compared to non-ELL students? Attendance for ELL students is...
q6a_refugee_attendance	string	Which of the following best describes what attendance looks like for refugee students compared to non-refugee students? Attendance for refugee students is...
q7a_ell_parent_meet	string	How often do you meet parents of ELL students compared to parents of non-ELL students?
q7a_refugee_parent_meet	string	How often do you meet parents of refugees compared to parents of non-refugee students?

q8a_ell_services_only	string	Are there support services specifically for ELL students at your school? (select all that apply)
q8a_ell_services_all_students	string	Are there support services specifically for ELL students at your school? (select all that apply)
q8a_ell_services_none	string	Are there support services specifically for ELL students at your school? (select all that apply)
q8a_ell_services_not_sure	string	Are there support services specifically for ELL students at your school? (select all that apply)
q8a_ell_services_open_ended	string	Tell us about the support services for ELL students at your school.
q8b_refugee_services_only	string	Are there support services specifically for refugee students at your school? (select all that apply)
q8b_refugee_services_all_students	string	Are there support services specifically for refugee students at your school? (select all that apply)
q8b_refugee_services_none	string	Are there support services specifically for refugee students at your school? (select all that apply)
q8b_refugee_services_not_sure	string	Are there support services specifically for refugee students at your school? (select all that apply)
q8b_refugee_services_open_ended	string	Tell us about the support services for refugee students at your school.
q9a_external_ell_services	string	Are there any outside organizations that assist ELL students or families from your school?
q9a_external_ell_services_open_ended	string	Tell us about the outside organizations that assist ELL students or families from your school.
q9b_external_refugee_services	string	Are there any outside organizations that assist refugee students or families from your school?

q9b_external_refugee_services_open_ended	string	Tell us about the outside organizations that assist refugee students or families from your school.
q10_know_of_unhcr	string	Before today, have you heard of the UN Refugee Agency, or UNHCR?
q11_unhcr_support	string	Do you support the efforts of organizations like the UN Refugee Agency (UNHCR) to serve people around the world who have been forced to flee their homes due to violence and persecution?
q12_country_disp	string	Due to conflict in the past 5 years, which one of the following countries has displaced approximately 12 million people?
q13_airbnb	string	Have you heard of the Airbnb Open Homes program?
school_hashed_id (FK)	string	Unique school identifier.