Analogous Scavenger Hunt

Your team: *Special Education*

Your big insight(s):

GSAPP

Center for Spatial Research has a critical approach to conventional “Big Data” initiatives, especially to the merely technocratic development of “toolkits,” as well as catalyzes humanities oriented work with data.
Besides the data collection, visualization, analysis and reporting, this project also discuss a more human-oriented look to data.

School of the Arts

There are a lot of visual arts examples that we could use as we work towards our design

GSAS

The Digital Humanities Center is a research facility designed to help people to integrate computer-based information (videos, texts...) into their work (learning and teaching)

Barnard

The Empirical Reasoning Center helps students to visually present data. One of the things the teachers pointed out in the survey is that the IEP could be more effective if it had a more visual way of displaying the information about the students

Business

Their website has a lot of insightful articles for us:
Three predictions for the future of UX/UI
Learning how to learn
More data isn't always the answer
10 Alumni VCs Share their Best Advice for Entrepreneurs

College

Columbia College to sponsor TurboVote on campus - a way to secure and capture data - could be beneficial for special ed where files and student records need to be secure.

Medicine

The International Center for AIDS Care and Treatment Program gathers information to implement, develop and evaluate health programs around the world. Likewise, the IEP can help teachers to keep track of their actions and evaluate them. Besides that, the IEP might have a database of actions and results that could be shared between teachers, creating a 'borrow-lending' platform.

Dental Medicine

A Global Learning Laboratory for Oral Health Step 1: A Planning Grant to Create a Kenya-Brazil Cross-National Collaboration in Support of Research, Education and Policy," with Stephen Nicholas, the professor of Pediatrics and Population and Family Health at the Columbia University Medical Center and College of Physicians and Surgeons.

The university said, "The (President's Innovation) Fund awards grants for faculty members to leverage and engage the eight Columbia Global Centers. The program supports projects within and across these sites, in order to increase global opportunities for research, teaching, and service."

SEAS

Blockchain: http://ieor.columbia.edu/files/seasieor/IEOR_E4574_Fall_2016_Syllabus.pdf

GS

Columbia's ARISE (Academic Resources in Support of Excellence) program provides tutoring resources in math, statistics and chemistry, recognizing that these are often subjects where students coming from under-resourced backgrounds and under-served schools sometimes struggle. This fall Columbia launched a co-curricular initiative called Mastery Through Academic Coaching (MTAC) where students have the option of attending small-group tutoring sessions for Introductory Biology, a required first-year class for STEM majors. As part of our program students receive rigorous preparation for the transition to Columbia, including financial counseling and support.

SIPA

Research proposes internet-in-a-box to provide offline access to medical information to doctors and nurses in rural areas in Dominican Republic.

This relates to our project because connectivity in schools is an issue in Brazil, and having offline access to our product can increase its usability

Journalism

https://brown.columbia.edu/ - this is the school for innovation in journalism - lots of great stuff going on here as well as advances in VR. Could potentially include VR in our solution.

The Credibility Schema Working Group is a body of data scientists, researchers, journalists and other professionals who are dedicated to addressing the growing problem of misinformation in the media. Through combining diverse perspectives on the issue, the members of the Working Group plan to develop a set of indicators of misinformation in a news article. More specifically, by organizing these indicators into a technical schema, the Group aims to create a system that is capable of assessing the credibility of news articles and sources.

The Nueva Nación team is particularly excited about exploring student-teacher ratio data for public schools, never-before seen historical government payroll data, government spending and budgeting numbers, the country's debt numbers, and private and public credit consumption data.

Law

"The district engaged CPRL to study procedures in place in other large school districts and recommend new ways of handling special education complaints consistently with the recent settlements and with its new approach to placing special education students"
Our product can be used by schools and districts to avoid law suits concerning the approach to special education students

Nursing

Study by Columbia University School of Nursing Suggests Improved Social Networks Could Enhance Innovation and Adoption of Best Practices.

Director of Columbia Nursing's Office of Global Initiatives. "Our continued role as a WHO Collaborating Center allows us to partner with educational institutions to prepare nurses in the skills needed to provide high quality care in regions where access to basic health care is very limited and people die needlessly from the very conditions nurses can be trained to prevent or treat."

SPS

Project that aims to reduce the gender gap in stem (science, technology, engineering and mathematics) environment.

This program could inspire us on our goal to help students with special needs to develop new skills and see themselves as capable of aspiring higher goals.

Overcoming personal tragedy, Goodwin discovered a way to utilize virtual reality technology to educate and help cancer patients and their families cope with the effects of disease. “I partnered personal experience with the lessons from my Technology Management program, where we learned technology is more than something cool or new, but rather something that enables change and solves problems.” She adds, “VR offers immersive learning, but it also offers therapeutic escape for patients.”

Mailman

This video talks about an alternative approach on mass incarceration, and it kind of relates to what we are studying about inclusion in Brazil - reducing barriers for people to be able to participate in the society.

SW

Research using an interactive, gender-specific, web-based program to prevent drug abuse and delay the onset of drug use among girls across the United States. It is inspiring because they seem to have used a chatbot, which is one of the features we are considering for our product

Teachers College

Smith Learning Theater - 6pm Dec 13 -- EdTech design challenge - I would recommend that our team goes for those on campus and see that they have come up with.