Project Takt: Go Code Colorado 2020 Business Opportunity Submission
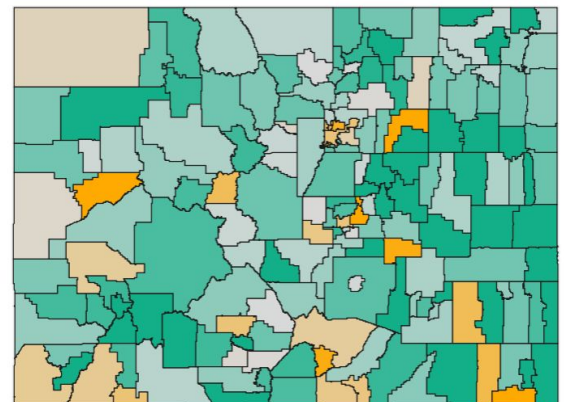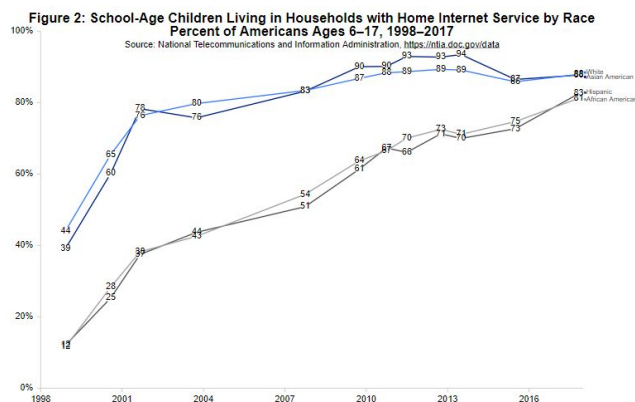
Takt is about providing unique data analytics to the world, to empower businesses and decision makers. Education has always been an unequal market, where endowments, brands, school district, teacher salary and demographics have always had huge effects in its delivery. For better or worse HolonIQ predicts education to be a $10 trillion dollar industry by 2030.[1]

Yet today, amid the pandemic, not only is the pandemic affecting minorities, lower socioeconomic classes and those under resourced disparitively; it is also heavily affecting the estimated 7 million school-aged kids who have no access to internet at home just in the US alone.[2]

This is where Project Takt comes in, by using data such as: internet speeds, demographics of graduation rates, income by school districts, salaries of teachers, free and reduced lunch and presence of teachers for america schools, this project aims to provide a open source data dashboard for nonprofits, educational institutions and philanthropic causes to create or enhance programs to address this divide.[3]

This data will be published on a website in a similar form to a whitepaper, where artificial intelligence techniques will be used to generate insights based on the features collected. A donation box will be displayed for visitors and stakeholders to donate to the cause, and a link to existing resources. The idea is to attempt to equalize the quality of distance learning and support initiatives that aim to close the digital divide gap.

Figure 2: School-Age Children Living in Households with Home Internet Service by Race
Percent of Americans Ages 6–17, 1998–2017
Source: National Telecommunications and Information Administration, https://ntia.doc.gov/data

Class of 2019 Graduation Rate in 4 Years or Less

Thank you very much for your time, and I hope you all join me on a journey to improve the digital education status quo.

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[1] https://www.holoniq.com/2030/
[2] https://www.ntia.doc.gov/blog/2018/digital-divide-among-school-age-children-narrows-millions-still-lack-internet-connections
[3] https://www.cde.state.co.us/code/graduationrate,
https://data.colorado.gov/Telecommunications/Broadband-Speed-Tests-by-Zip-Code/p43d-habk