

TDI Section 1: Project proposal

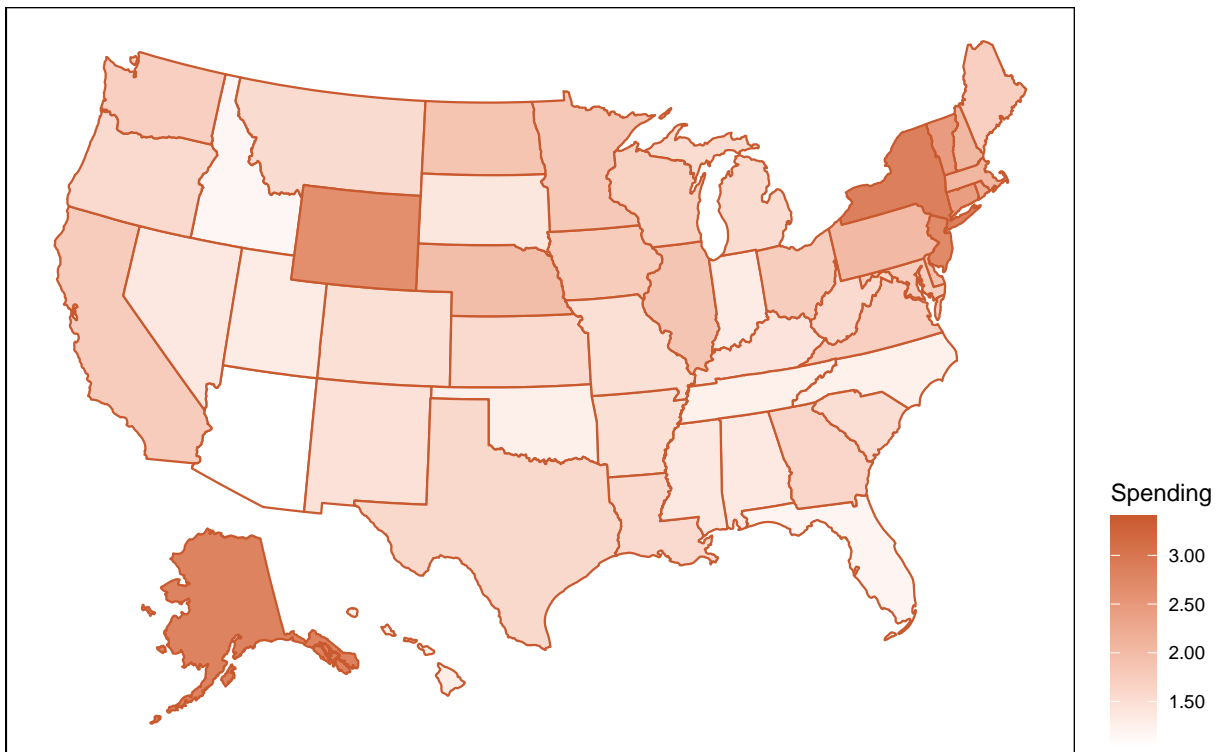
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For the TDI project, I'd like to propose an analysis of student educational outcomes. In recent sociological studies of economic stratification and intergenerational mobility, it has now been shown that the best predictor of success in life is education. Looking very briefly at how states allocate and spend on education (<https://www.urban.org/>), we see a large disparity between key regions. And not only does this have immediate repercussions, but this affects key metrics that measure quality of life over time, such as upward mobility.

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## 'summarise()' ungrouping output (override with '.groups' argument)
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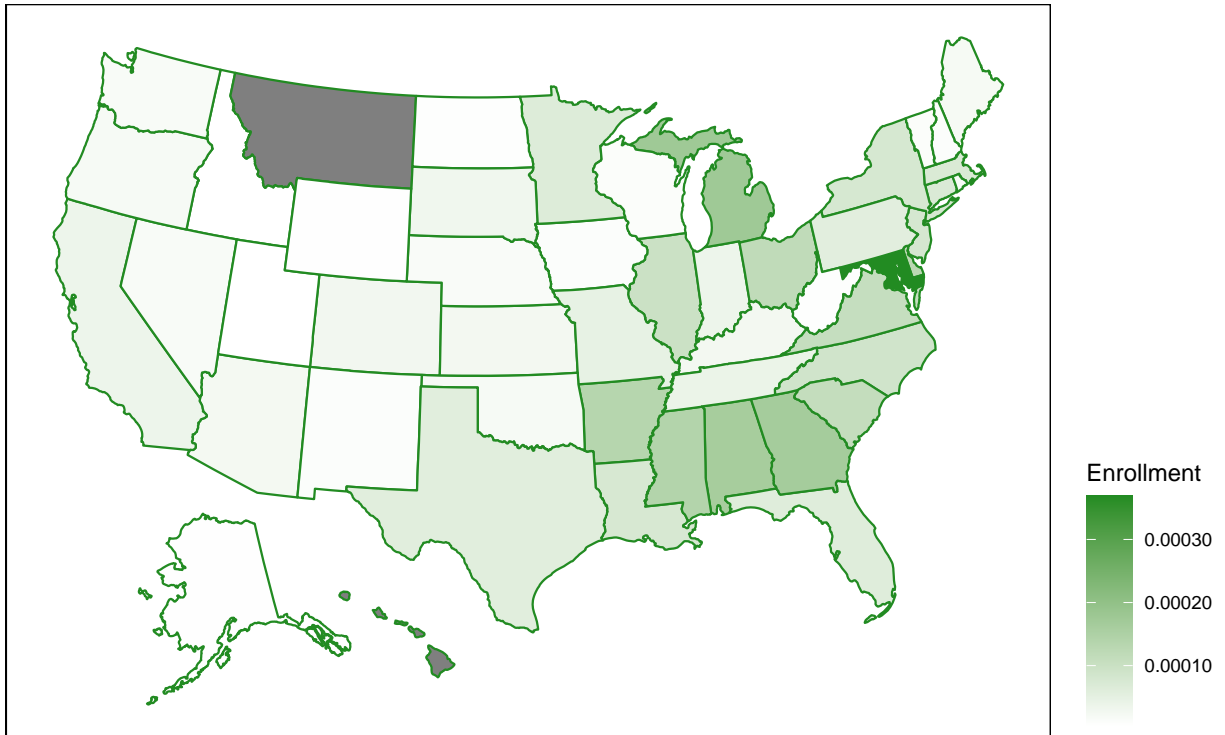
State spending on education per capita



Source: @ayalamars

Given these disparities, it's vital that efforts are allocated appropriately. Developing a live and publicly accessible web-app that visualizes these key disparities will be immediately beneficial to efforts in deploying additional services (such as independent contractors that supplement education, some SaaS companies come to mind), as well as increase efforts in those affected regions.

Enrollment in Calculus for Black Females



Source: @ayalamars

Together, these findings will help improve student outcomes by improving access to data so that the right services can be targeted to the right demographic, and ultimately improve graduation rates.