# Team R-Some | DataFest 2018

The purpose of our set of graphics is to help people who are living in the U.S. and looking for a job.  Our goal is to help them decide which industry to pursue based on their educational level, where in the country has the best opportunities for this industry, and how to best use Indeed.com in their job-search process.

Our goal is to help the **INDIVIDUAL** use Indeed.com in the most customized, efficient way!

Our test case is a college student named Alex who is looking for a job.  Alex, who is on track to complete an undergraduate degree in Mathematics and Psychology, lives in Tallahassee and attends Florida State University.  They would like to get a job in an industry with a plenty of opportunities and most closely complements their skill set.

To begin their job-searching process, Alex will consult our first graph.  Because they are working towards attaining their college diploma, they will look for the green bars.  The largest green bars are their most optimal choices for industries to pursue, as these are the industries with the highest proportion of postings for that given education level.  However, the largest green bar represents the industry for Non-Profit/Association, but being a Mathematics and Psychology major, Alex decides that this is not a good industry for them and looks for the next largest green bar.  This brings them to the green bar representing the Education industry.  Thus, based on this graphic, Alex will search for a job in Education.

Alex now needs to evaluate the best regional options for their chosen industry, Education and thus will consult our second graph.  This graph shows the six states with the overall greatest number of jobs available, and for each state their top ten industries with the greatest number of jobs available in that state.  Living in Florida, Alex looks to the graph for Florida.   However, when Alex consults the graph for Florida, they see that Education is not one

of the top ten industries for jobs in the state.  They then look to the other states to see where jobs for Education are most plentiful,  which directs them to the graph for Ohio.  Compared to the graphs for the other five states, Ohio's bar for Education is the largest.  Thus, Alex knows that Florida is not a good spot for their career prospects in education, and they will optimally move from Florida to Ohio, which has good prospects for educational careers.

Finally, Alex needs to decide how to best utilize Indeed.com to initiate their application process.  Our third graph shows the job and posting application activity on Indeed.com over the time frame of about a year.  From this graph, Alex sees that the number of postings and applications in Education is not volatile and that there is not an optimal time of year to apply for this industry.  Therefore, Alex can determine that Indeed.com's steady postings for this industry will allow them to have flexibility in their availability and time for their job search process.