Report of Analysis on BDjobs Data

SrJ

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1 Software Engineer

1.1 Analysis of Total Vacancy based on Top industries

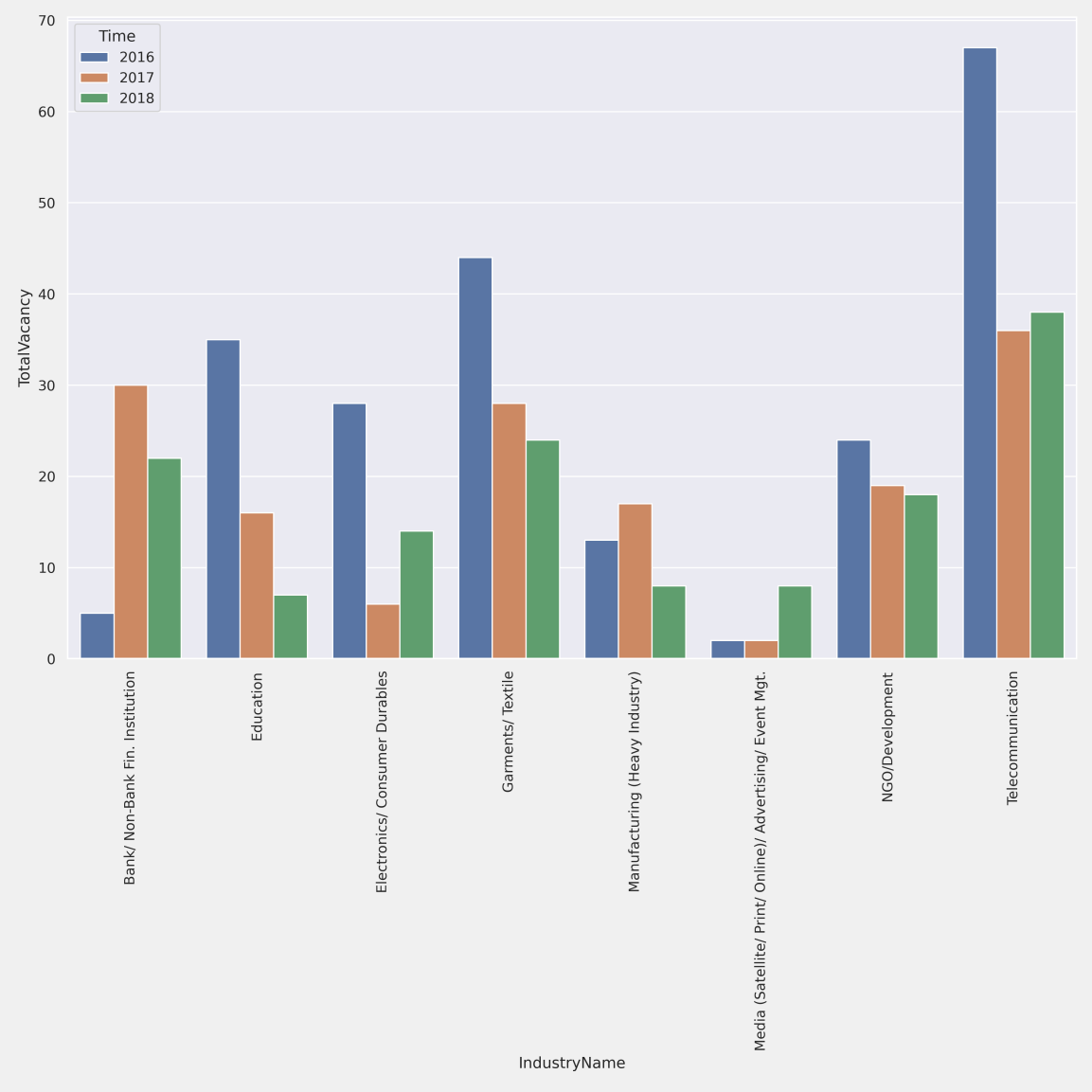
True in table 1 means that there was significant difference in the job post during that time period.

In **Electronics / Consumers Durables** field there was a significant change in vacancy for software Engineer from 2016 to 2017 and 2017 to 2018. But Surprisingly there was no change from 2016 to 2018 i.e. in a two yr period. The explanation for this is the graph. From 16 to 17 in dropped abruptly and again from 17 to 18 it raised. So, on a two year run there was no significant difference but on one year run there was. Same pattern follows for Manufacturing Industries. See figure 1.1 for details.

Table 1: Analysis of Total Vacancy based on Top industries

	p-value	p-value	p-value	significant	significant	significant
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018	2016-2018
Industry						
Bank/ Non-Bank Fin. Institution	0.332	0.409	0.690	False	False	False
Education	0.409	0.593	0.381	False	False	False
Electronics/ Consumer Durables	0.039	0.045	0.763	True	True	False
Garments/ Textile	0.621	0.046	0.222	False	True	False
Manufacturing (Heavy Industry)	0.074	0.049	0.735	True	True	False
NGO/Development	0.730	0.356	0.470	False	False	False
Telecommunication	0.389	0.618	0.058	False	False	True

Figure 1: Total Numbers of Vacancy in Industry for **Software Engineer**



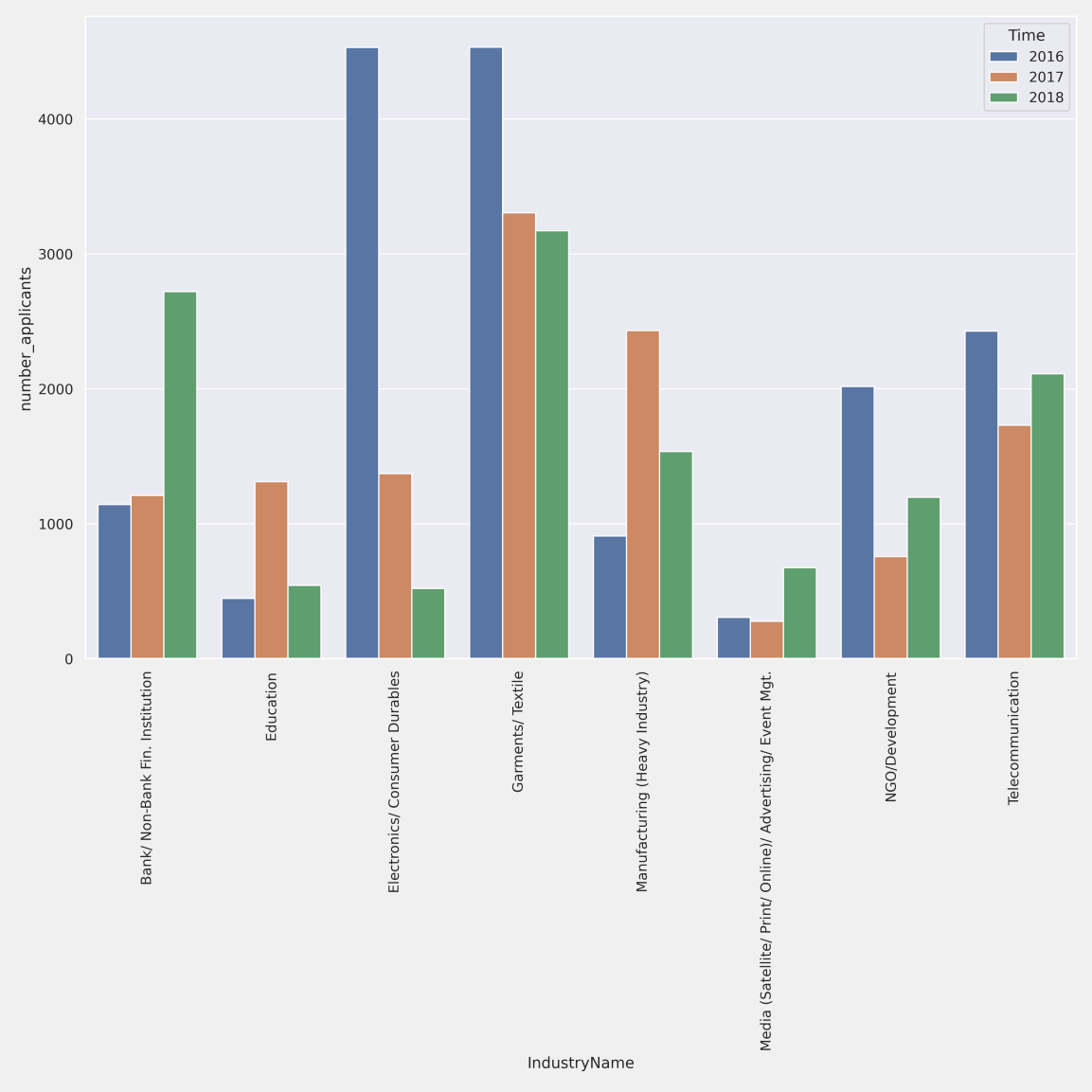
1.2 Analysis of Total Applicant based on Top industries

See figure 1.2 for details.

Table 2: Analysis of Total Applicants based on Top industries

	p-value	p-value	p-value	significant	significant	significant
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018	2016-2018
Industry						
Bank/ Non-Bank Fin. Institution	0.152	0.223	0.386	False	False	False
Education	0.118	0.605	0.342	False	False	False
Electronics/ Consumer Durables	0.365	0.026	0.038	False	True	True
Garments/ Textile	0.444	0.549	0.813	False	False	False
Manufacturing (Heavy Industry)	0.067	0.594	0.277	True	False	False
NGO/Development	0.148	0.249	0.816	False	False	False
Telecommunication	0.859	0.982	0.932	False	False	False

Figure 2: Total Numbers of Applicants in Industry for **Software Engineer**



2 Web Developer

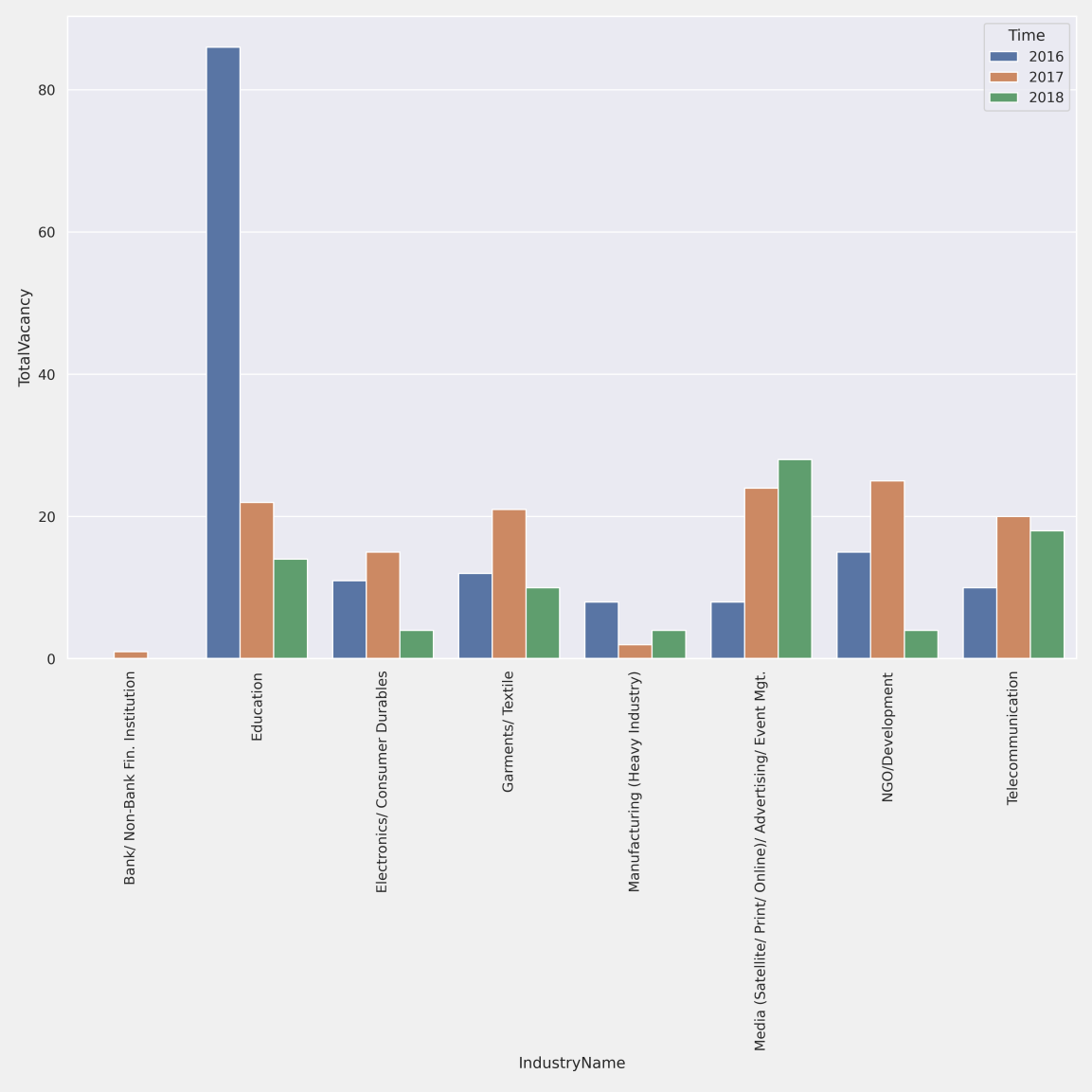
2.1 Analysis of Total Vacancy based on Top industries

True in table 3 means that there was significant difference in the job post during that time period.

Table 3: Analysis of Total Vacancy based on Top industries

	p-value	p-value	p-value	significant	significant	significant
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018	2016-2018
Industry						
Bank/ Non-Bank Fin. Institution				False	False	False
Education	0.019	0.478	0.011	True	False	True
Electronics/ Consumer Durables	0.455	0.496	0.886	False	False	False
Garments/ Textile	0.646	0.815	0.521	False	False	False
Manufacturing (Heavy Industry)	0.363		0.363	False	False	False
Media.	0.364	0.076	0.03	False	True	True
NGO/Development	0.731	0.162	0.348	False	False	False
Telecommunication	0.457	0.597	0.605	False	False	False

Figure 3: Total Numbers of Vacancy in Industry for **Software Engineer**



2.2 Analysis of Total Applicant based on Top industries

See figure 2.2 for details.

Table 4: Analysis of Total Applicants based on Top industries

	p-value	p-value	p-value	significant	significant	significant
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018	2016-2018
Industry						
Bank/ Non-Bank Fin. Institution				False	False	False
Education	0.853	0.657	0.55	False	False	False
Electronics/ Consumer Durables	0.13	0.078	0.044	False	True	True
Garments/ Textile	0.076	0.118	0.564	True	False	False
Manufacturing (Heavy Industry)	0.248	0.429	0.146	False	False	False
Media	0.828	0.081	0.267	False	True	False
NGO/Development	0.056	0.16	0.672	True	False	False
Telecommunication	0.536	0.788	0.738	False	False	False

Figure 4: Total Numbers of Applicants in Industry for **Software Engineer**