Report of Analysis on BDjobs Data

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1 Software Engineer

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.

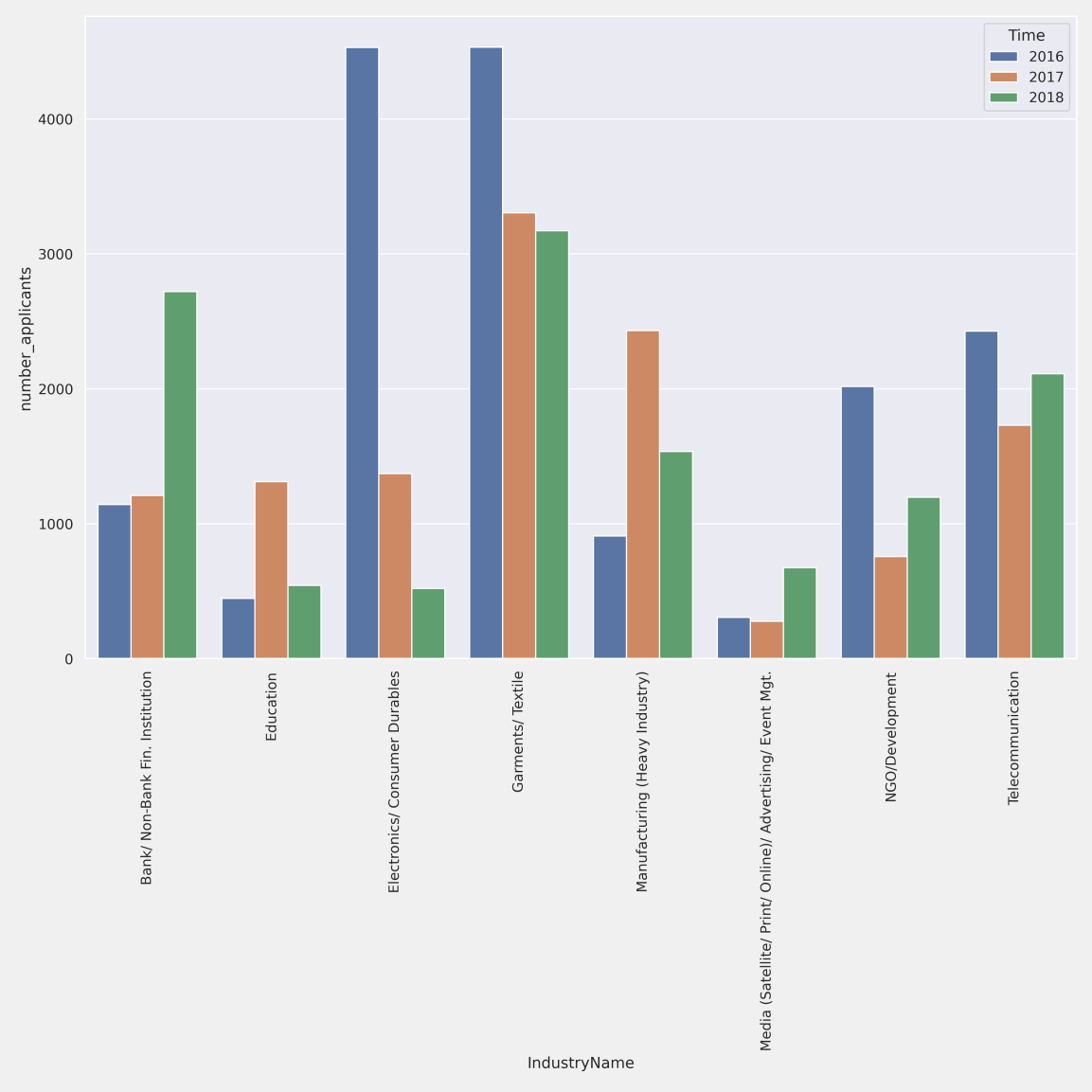
1.1 Analysis of Total Applicant based on Top industries

See figure 1.1 for details.

Table 1: Analysis of Total Applicant 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 1: Total Numbers of Applicant in Industry for **Software Engineering**



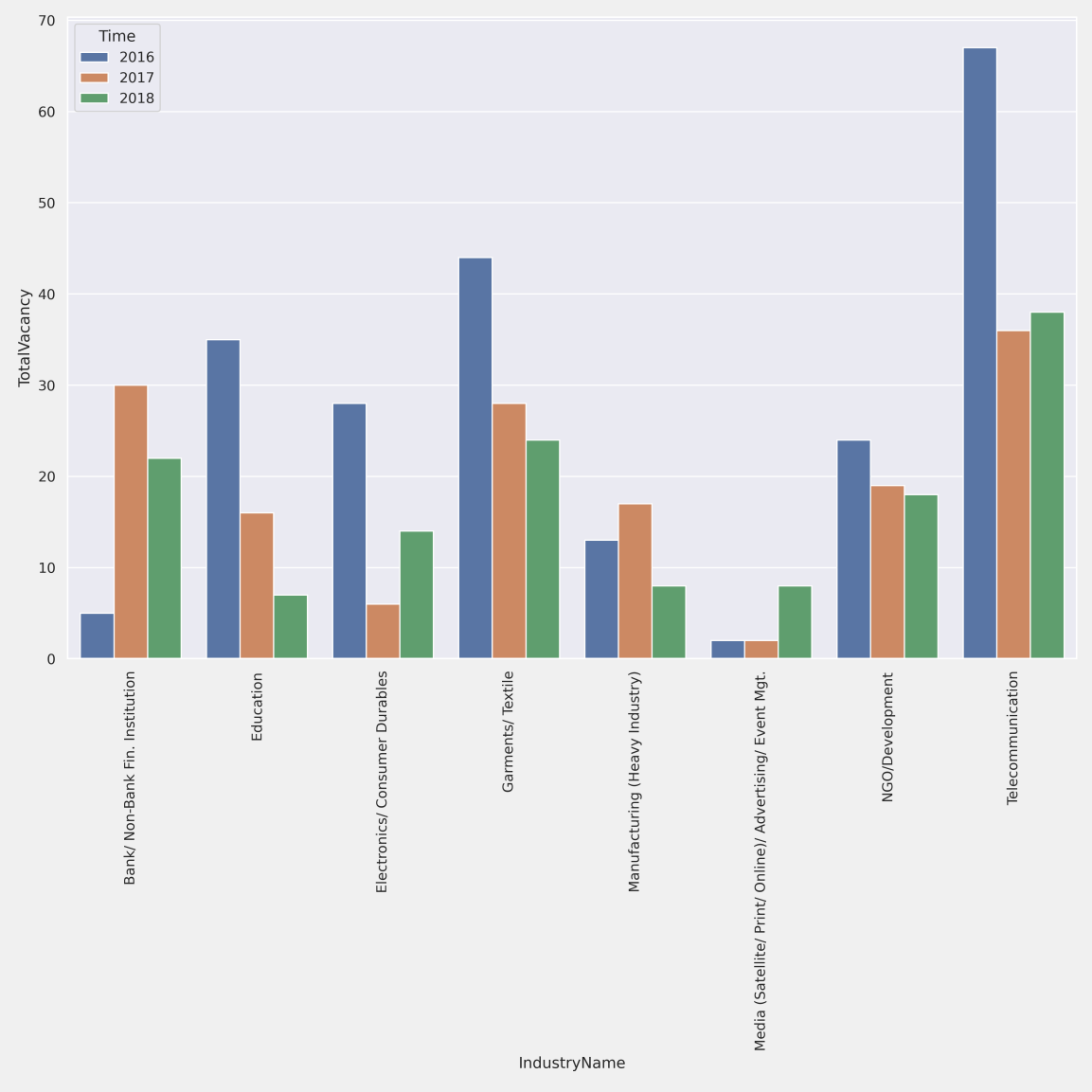
1.2 Analysis of Total Vacancy based on Top industries

See figure 1.2 for details.

Table 2: 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 2: Total Numbers of Vacancy in Industry for **Software Engineering**



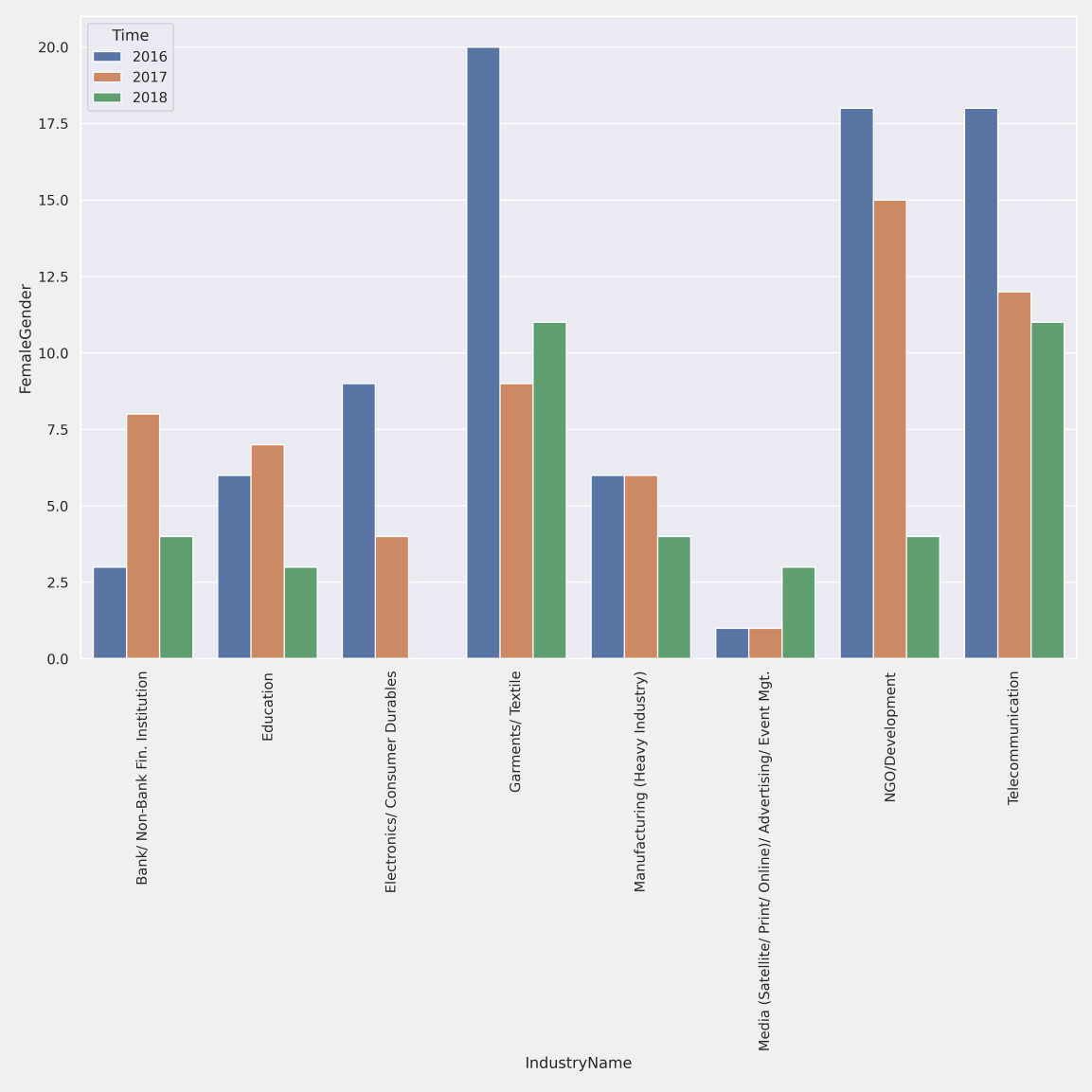
1.3 Analysis of Total Female based on Top industries

See figure 1.3 for details.

Table 3: Analysis of Total Female 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	0.347	0.012	0.002	False	True	True
Education	0.351	0.675	0.391	False	False	False
Electronics/ Consumer Durables	0.94	0.016	0	False	True	True
Garments/ Textile	0.258	0.782	0.381	False	False	False
Manufacturing (Heavy Industry)	0.4	0.473	1	False	False	False
Media				False	False	False
NGO/Development		0.001	0.001	False	True	True
Telecommunication	0.797	0.11	0.06	False	False	True

Figure 3: Total Numbers of Female in Industry for **Software Engineering**



2 Web Developer

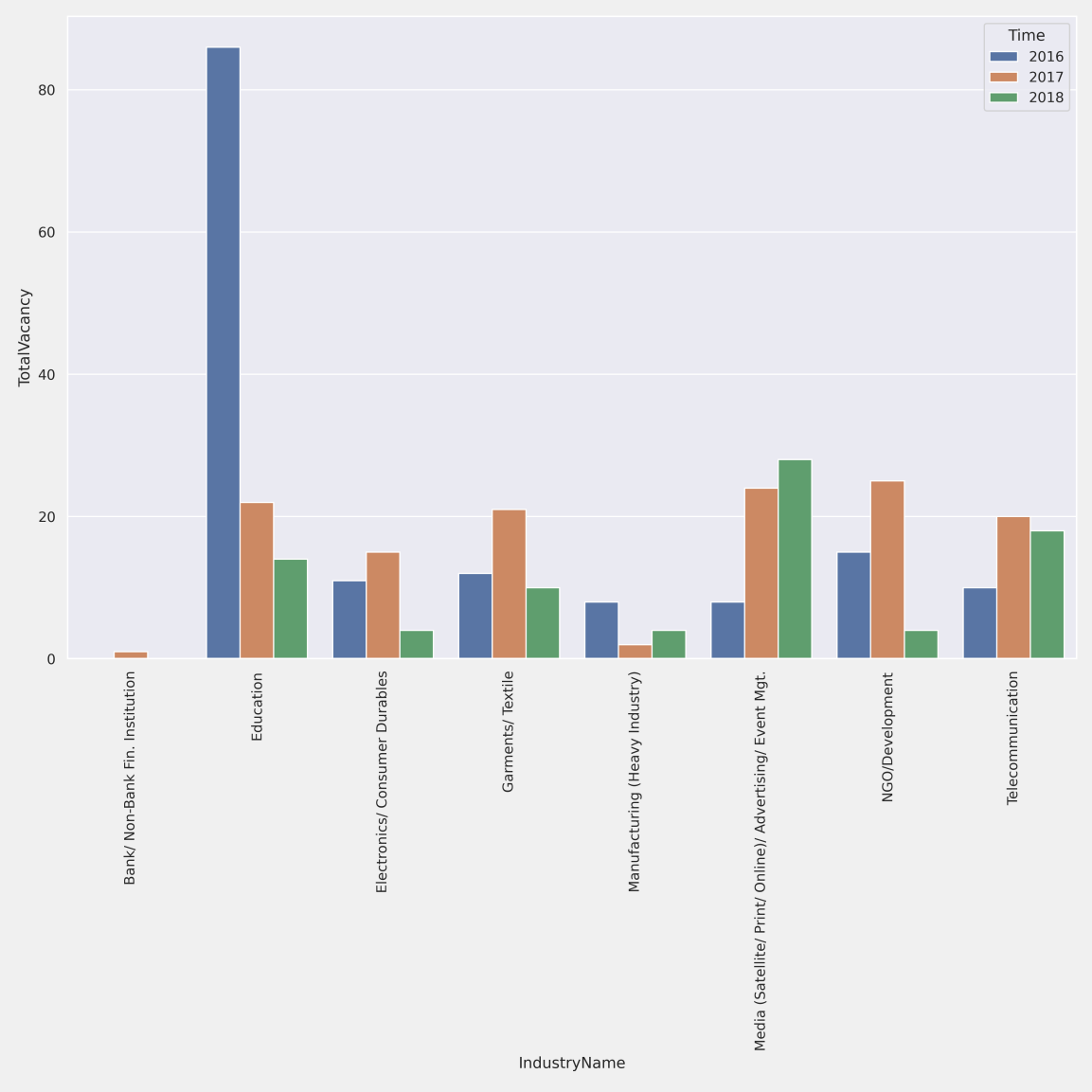
2.1 Analysis of Total Vacancy based on Top industries

See figure 2.1 for details.

Table 4: 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 4: Total Numbers of Vacancy in Industry for **Web Developer**



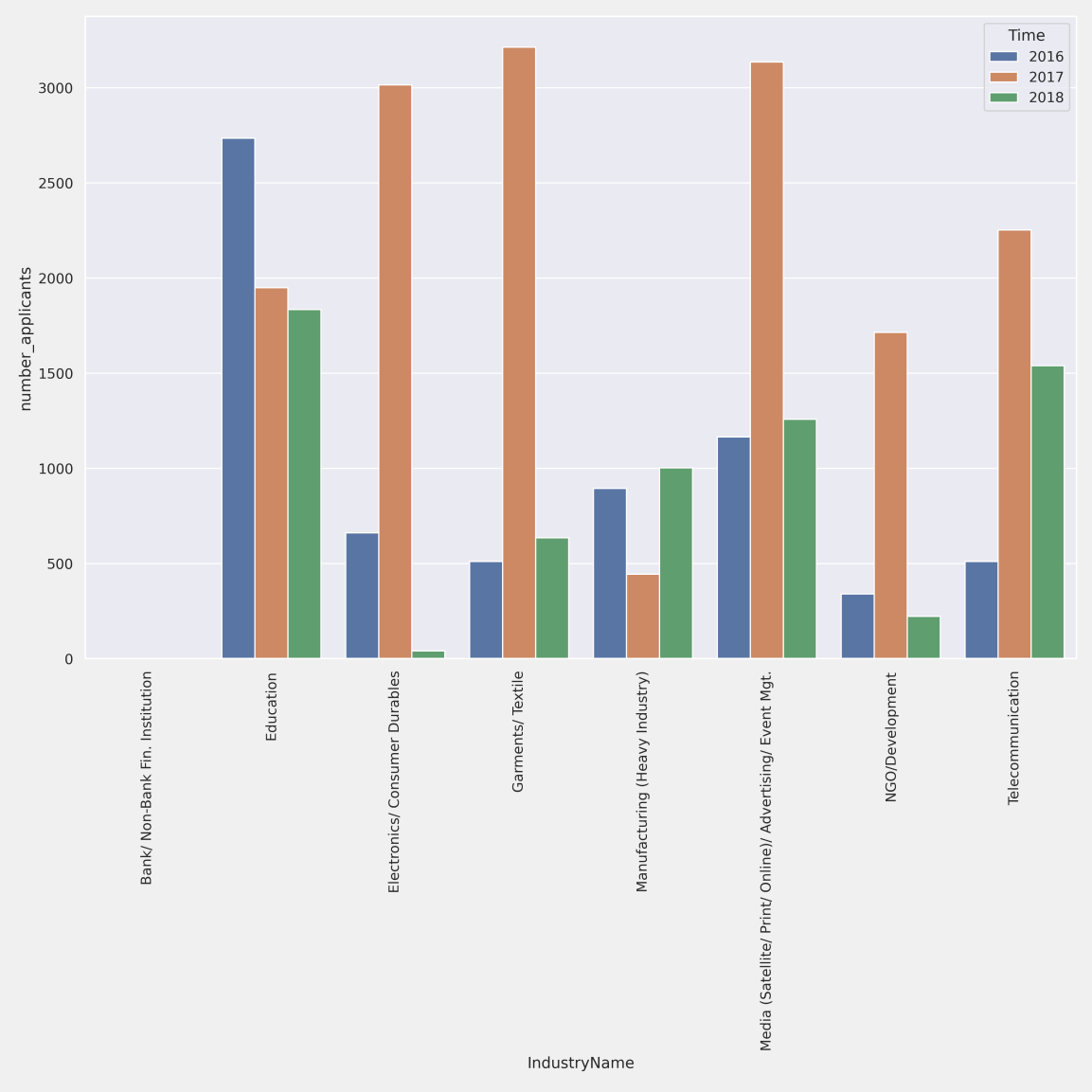
2.2 Analysis of Total Applicant based on Top industries

See figure 2.2 for details.

Table 5: Analysis of Total Applicant 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 5: Total Numbers of Applicant in Industry for **Web Developer**



2.3 Analysis of Total Female based on Top industries

See figure 2.3 for details.

Table 6: Analysis of Total Female 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	0.784	0.089	0.062	False	True	True
Electronics/ Consumer Durables				False	False	False
Garments/ Textile	0.004	0.004	1	True	True	False
Manufacturing (Heavy Industry)	0.175	0.058	0.245	False	True	False
Media	0.596	0.04	0.232	False	True	False
NGO/Development	0.081	0.393	0.184	True	False	False
Telecommunication	0.169	0.705	0.356	False	False	False

Figure 6: Total Numbers of Female in Industry for **Web Developer**