

emp\_type.csv

JobType	mean	std	N
Contract	0.045	11.232	943
Freelance	0.009	149.093	11
FullTime	0.924	7.385	27060
Intern	0.011	17.456	138
PartTime	0.011	11.864	163

gender.csv

Gender	TotalVacancy	N
Both male and female	0.636	16889
Female only	0.008	219
Male only	0.164	4068
Not Specified	0.192	7140

industry.csv

Industry	mean	N
Bank/ Non-Bank Fin. Institution	0.007	714
Education	0.026	1016
Garments/ Textile	0.026	1378
Govt./ Semi-Govt./ Autonomous	0.001	712
Information Technology (IT)	0.703	16158
Manufacturing (Heavy Industry)	0.012	785
NGO/Development	0.015	978
Others	0.148	5146
Telecommunication	0.061	1429

location.csv

Location	Mean	N	
0	Dhaka City	0.455	14662
1	Dhaka City or anywhere in Bangladesh	0.975	27978
2	Outside Bangladesh	0.025	338

pos\_level.csv

JobLevel	mean	std	N
Entry	0.567	11.797	12854
Mid	0.406	2.717	14427
Top	0.027	2.658	1035

skill\_rank.csv

	2016	2017	2018	2019	2020	2021
HTML	1	1	5	3	2	3
PHP	2	4	6	4	5	6
CSS	3	3	3	5	3	4
JavaScript	4	2	1	1	1	1
Database	5	5	2			
Marketing	6	7	4	6	6	5
jQuery	7	6	7	8	9	10
SEO	8					
WordPress	11	17	16	22	13	14
MVC	12	12	17	14	22	17
C	13					
Android	16	15	12	12	15	13
Bootstrap	17	16	19	17	16	22
Linux	18	18	30	28	26	29
ERP	19	20	20	20	20	18
JAVA	20	13				
Photoshop	21	26	24	26	32	34
Oracle	22	30	31	29		
Illustrator	23	32	33	33	36	36
ASP.NET	24	29	28	27	30	
SQL Server	25	22	22	30	31	28
iOS	26	28	27	31	21	20
SQL	27	25	23	25	24	23
API	28	14	8	7	7	7
Windows	29	24	25	21		
Laravel	30	23	13	13	10	11
Git	31	27	26	18	14	12
AWS	32	38	38	37	35	33
Python	33	33	35	34	29	27
Angular	34	31	29			
React	35	37	32	32	17	15
Excel	36	34	34	35	37	37
Word	37	35	37	38	39	38
QA	38	39	36	36	34	32
PowerPoint	39					
OneNote	40	40	40	40	40	40

Software Developers\_MaleGender\_ttest.csv

	p-value	p-value	p-value	significant	st
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018
2016-2018 Industry				0.009	0.009
Bank/ Non-Bank Fin. Institution					
False	True	True	Education	0.576	0.013
0.287	False	True	False	True	False
Electronics/ Consumer Durables		0.081	0.081	False	True
Garments/ Textile		0.003	0.003	False	True
Govt./ Semi-Govt./ Autonomous					
False	False	False	Manufacturing (Heavy Industry)		0.078
0.078	False	True	NGO/Development	0.333	0.001
0.001	False	True	Telecommunication		0.043
0.043	False	True			

supply\_demand.csv

ONET Title	2016	2017	2018	2019	2020	2021
Computer Hardware Engineers	117.382	160.210	86.932	73.263	89.041	78.270
Computer Programmers	67.193	77.399	50.614	71.286	57.335	48.834
Computer Systems Engineers/Architects	161.388	123.823	149.004	142.394	95.934	101.005
Electronics Engineers, Except Computer	94.191	95.155	64.624	44.682	47.447	26.041
Executive Secretaries and Executive Administrative Assistants	229.308	311.706	272.577	330.602	410.186	168.369
First-Line Supervisors of Non-Retail Sales Workers	206.491	114.915	285.517	429.265	199.789	404.808

Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel | 272.687 | 207.313 | 185.929 | 390.092 | 266.960 | 246.705

Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 387.514 | 383.224 | 469.154 | 650.439 | 659.541 | 862.344

Software Developers | 51.889 | 52.731 | 63.965 | 54.194 | 49.528 | 36.653 Web Developers | 62.769 | 60.940 | 66.353 | 66.762 | 50.533 | 35.887

title\_rank.csv

	2016	2017	2018	2019	2020	2021
Software Developers	1	1	1	1	1	1
Project Management Specialists	2	2	2	2	2	2
Network and Computer Systems Administrators	3	3	3	3	4	4
Web Developers	4	4	4	4	3	3
Computer User Support Specialists	5	6	6	6	6	6
Web and Digital Interface Designers	6	5	5	5	5	5
Business Intelligence Analysts	7	7	7	7	7	7
Search Marketing Strategists	8	8	8	8	8	8
Computer Occupations, All Other	9	9	9	9	9	10
Software Quality Assurance Analysts and Testers	10	10	11	12	11	9

Web Developer\_MaleGender\_ttest.csv

	p-value	p-value	p-value	significant	significant
Time	2016-2017	2017-2018	2016-2018	2016-2017	2017-2018
2016-2018 Industry	Bank/ Non-Bank Fin. Institution	False	False	False	False
Education	False	False	False	Electronics/ Consumer Durables	False
Garments/ Textile	False	False	False	Govt./ Semi-Govt./ Autonomous	False
Information Technology (IT)	False	False	False	Manufacturing (Heavy Industry)	False
NGO/Development	False	False	False	Others	False
Telecommunication	False	False	False		