# گزارشگار پروژه داده گاوی فاز ۱ و ۲

على بديعي

### فایلهای پروژه:

• 0.sqlMain.sql

فایل کوئری اصلی که با آن از سایت data.stackexchange.com دیتا ها را خارج کردیم.

• 1.QueryResults.csv

فایلی خروجی سایت با استفاده از کوئری ایجاد شده.

• 2.PythonResults.csv

فایل خروجی از پایتون که دیتاها را پروسس کرده و ستونهایی که در کوئری موجود نبود را اضافه کرد.

• 2.5.keeper.pickle

فایل خام لیبل زدهشده بر اساس آیدیهای هر سوال.

• 3.LabeledResults.csv

فایل خروجی جدول دیتاها که لیبل زدهشده و آمادهی استفاده است.

- 4.PlotResults\_1.png
- 4.PlotResults\_2.png
- 4.PlotResults\_3.png

خروجیهای نمودار به صورت عکس.

• main.py

فایل پایتون اصلی برای ۲ فاز اول پروژه.

## نحوهي انجام كار:

طبق موارد نوشته شده در متن پروژه عمل شد.

همچنین از فایل مقالهی Difficulty by Utilizing Contextual Features برای موارد اضافی استفاده شد.

## خروجيها:

## ۱. خروجی کوئری اول

QuestionId	QuestionTi QuestionBody	QuestionTags	QuestionBo	UserReputa L	JserGoldB <sub>i</sub> U	serSilverE U	serBronze	QuestionVi	QuestionFa L	JserUpVot	QuestionAi Q	uestionSc	QuestionCreation F	irstAnswerCreation[	AcceptedAnswerC	FirstAnswe Ac	ceptedAn
50093144	MySQL 8.0 I can't make a simple	<mysql><nod< td=""><td>2789</td><td>7655</td><td>3</td><td>10</td><td>14</td><td>1015467</td><td>0</td><td>7</td><td>35</td><td>755</td><td>18/04/30 2:04</td><td>18/05/02 9:58</td><td>18/05/02 9:58</td><td>2</td><td>2</td></nod<></mysql>	2789	7655	3	10	14	1015467	0	7	35	755	18/04/30 2:04	18/05/02 9:58	18/05/02 9:58	2	2
49194719	Authentica I am connecting	<mysql><mys< td=""><td>355</td><td>17755</td><td>9</td><td>53</td><td>82</td><td>1043189</td><td>0</td><td>715</td><td>38</td><td>671</td><td>18/03/09 13:19</td><td>18/03/12 5:08</td><td>18/03/12 5:08</td><td>3</td><td>3</td></mys<></mysql>	355	17755	9	53	82	1043189	0	715	38	671	18/03/09 13:19	18/03/12 5:08	18/03/12 5:08	3	3
50379839	Connectior I try to connect	<java><mysq< td=""><td>2204</td><td>4667</td><td>3</td><td>9</td><td>10</td><td>670288</td><td>0</td><td>17</td><td>25</td><td>450</td><td>18/05/16 21:02</td><td>18/05/20 19:57</td><td>18/05/20 19:57</td><td>4</td><td>4</td></mysq<></java>	2204	4667	3	9	10	670288	0	17	25	450	18/05/16 21:02	18/05/20 19:57	18/05/20 19:57	4	4
65456814	Docker (Ap I'm running the	<mysql><doc< td=""><td>903</td><td>5470</td><td>4</td><td>31</td><td>52</td><td>405092</td><td>0</td><td>34</td><td>24</td><td>445</td><td>20/12/26 13:20</td><td>21/01/06 9:04</td><td>21/01/06 9:04</td><td>11</td><td>11</td></doc<></mysql>	903	5470	4	31	52	405092	0	34	24	445	20/12/26 13:20	21/01/06 9:04	21/01/06 9:04	11	11
50177216	How to gra Tried	<mysql><mys< td=""><td>753</td><td>2820</td><td>3</td><td>8</td><td>8</td><td>720528</td><td>0</td><td>7</td><td>24</td><td>282</td><td>18/05/04 14:23</td><td>18/05/06 8:17</td><td></td><td>2</td><td></td></mys<></mysql>	753	2820	3	8	8	720528	0	7	24	282	18/05/04 14:23	18/05/06 8:17		2	
50690076	phpMyAdn I have a WordPress	<php><mysql< td=""><td>620</td><td>5235</td><td>7</td><td>21</td><td>35</td><td>474164</td><td>0</td><td>9</td><td>22</td><td>272</td><td>18/06/04 23:15</td><td>18/06/07 16:58</td><td>18/06/07 16:58</td><td>3</td><td>3</td></mysql<></php>	620	5235	7	21	35	474164	0	9	22	272	18/06/04 23:15	18/06/07 16:58	18/06/07 16:58	3	3
52364415	PHP with N I'm running MySQL	<php><mysql< td=""><td>542</td><td>2311</td><td>2</td><td>12</td><td>16</td><td>420053</td><td>0</td><td>1</td><td>8</td><td>228</td><td>18/09/17 9:17</td><td>18/09/17 9:18</td><td></td><td>0</td><td></td></mysql<></php>	542	2311	2	12	16	420053	0	1	8	228	18/09/17 9:17	18/09/17 9:18		0	
55038942	FATAL: pas I recently installed	<postgresql></postgresql>	306	1849	2	8	9	589784	0	0	18	183	19/03/07 8:12	19/03/07 8:41	19/03/07 8:41	0	0
50557234	Authentica I am trying to	<python><my< td=""><td>768</td><td>4649</td><td>13</td><td>43</td><td>75</td><td>307207</td><td>0</td><td>215</td><td>29</td><td>172</td><td>18/05/27 22:53</td><td>18/05/27 23:05</td><td>18/05/27 23:05</td><td>0</td><td>0</td></my<></python>	768	4649	13	43	75	307207	0	215	29	172	18/05/27 22:53	18/05/27 23:05	18/05/27 23:05	0	0
50026939	php mysqli I am using php	<php><mysql< td=""><td>1401</td><td>2568</td><td>2</td><td>16</td><td>20</td><td>310409</td><td>0</td><td>91</td><td>18</td><td>162</td><td>18/04/25 16:15</td><td>18/04/25 16:54</td><td>18/04/25 16:54</td><td>0</td><td>0</td></mysql<></php>	1401	2568	2	16	20	310409	0	91	18	162	18/04/25 16:15	18/04/25 16:54	18/04/25 16:54	0	0
61523447	Skipping ac Good afternoon,	<li>linux&gt;<postg< td=""><td>672</td><td>1601</td><td>2</td><td>6</td><td>3</td><td>108093</td><td>0</td><td>0</td><td>4</td><td>160</td><td>20/04/30 12:31</td><td>20/05/01 20:08</td><td></td><td>1</td><td></td></postg<></li>	672	1601	2	6	3	108093	0	0	4	160	20/04/30 12:31	20/05/01 20:08		1	
55300370	PostgreSQI To have an integer	<postgresql></postgresql>	614	36202	11	45	69	79782	0	1709	1	150	19/03/22 13:10	19/03/22 13:31	19/03/22 13:31	0	0
57879150	How can I < <p>I want to run this</p>	<node.js><sq< td=""><td>9671</td><td>12524</td><td>73</td><td>249</td><td>449</td><td>296271</td><td>0</td><td>463</td><td>28</td><td>144</td><td>19/09/10 22:59</td><td>20/01/23 16:12</td><td></td><td>135</td><td></td></sq<></node.js>	9671	12524	73	249	449	296271	0	463	28	144	19/09/10 22:59	20/01/23 16:12		135	
48218065	Objects cre I can't find the	<python><my< td=""><td>1064</td><td>1293</td><td>2</td><td>7</td><td>5</td><td>143516</td><td>0</td><td>0</td><td>11</td><td>128</td><td>18/01/12 0:52</td><td>18/01/12 1:17</td><td>18/01/12 1:17</td><td>0</td><td>0</td></my<></python>	1064	1293	2	7	5	143516	0	0	11	128	18/01/12 0:52	18/01/12 1:17	18/01/12 1:17	0	0
58461178	How to fix l'm trying to	<postgresql></postgresql>	613	1393	2	7	8	116287	0	5	15	126	19/10/19 6:39	19/10/19 7:19		0	
57665645	Server retu My Intelij IDE wont	<mysql><sql></sql></mysql>	277	1240	2	6	7	88473	0	54	5	113	19/08/26 22:29	19/08/27 2:27	19/08/27 2:27	1	1
54513450	A strange c <ul></ul>	<sql><sql-ser< td=""><td>1122</td><td>839</td><td>1</td><td>6</td><td>7</td><td>8047</td><td>0</td><td>1</td><td>3</td><td>105</td><td>19/02/04 9:43</td><td>19/02/04 11:02</td><td></td><td>0</td><td></td></sql-ser<></sql>	1122	839	1	6	7	8047	0	1	3	105	19/02/04 9:43	19/02/04 11:02		0	
60864367	#1030 - Go Created a new	<mysql><php< td=""><td>355</td><td>1003</td><td>2</td><td>8</td><td>7</td><td>156659</td><td>0</td><td>4</td><td>6</td><td>100</td><td>20/03/26 9:36</td><td>20/04/30 8:52</td><td>20/05/17 8:56</td><td>35</td><td>52</td></php<></mysql>	355	1003	2	8	7	156659	0	4	6	100	20/03/26 9:36	20/04/30 8:52	20/05/17 8:56	35	52
52032739	Loading cla This is the Warning	<mysql><jdbo< td=""><td>335</td><td>1021</td><td>2</td><td>7</td><td>7</td><td>278424</td><td>0</td><td>0</td><td>26</td><td>100</td><td>18/08/27 4:52</td><td>18/09/19 12:23</td><td></td><td>23</td><td></td></jdbo<></mysql>	335	1021	2	7	7	278424	0	0	26	100	18/08/27 4:52	18/09/19 12:23		23	
59993844	ERROR: Loa I don't understand	<mysql><clier< td=""><td>2344</td><td>1121</td><td>1</td><td>6</td><td>4</td><td>257829</td><td>0</td><td>0</td><td>15</td><td>99</td><td>20/01/30 20:15</td><td>20/02/02 15:45</td><td></td><td>3</td><td></td></clier<></mysql>	2344	1121	1	6	4	257829	0	0	15	99	20/01/30 20:15	20/02/02 15:45		3	
51335298	Concepts o Can anyone explain	<python><da< td=""><td>1052</td><td>1009</td><td>2</td><td>10</td><td>11</td><td>34417</td><td>0</td><td>0</td><td>2</td><td>97</td><td>18/07/14 4:44</td><td>20/01/26 17:15</td><td></td><td>561</td><td></td></da<></python>	1052	1009	2	10	11	34417	0	0	2	97	18/07/14 4:44	20/01/26 17:15		561	
52423595	mysqldum I want to dump my	<mysql></mysql>	631	14737	6	67	65	61214	0	64	3	93	18/09/20 11:00	18/09/20 11:00	18/09/20 11:00	0	0
50691977	How to res I have actually lost	<mysql><pas< td=""><td>1294</td><td>1479</td><td>1</td><td>12</td><td>16</td><td>155526</td><td>0</td><td>42</td><td>8</td><td>93</td><td>18/06/05 4:20</td><td>18/07/05 8:29</td><td>18/09/30 16:29</td><td>30</td><td>117</td></pas<></mysql>	1294	1479	1	12	16	155526	0	42	8	93	18/06/05 4:20	18/07/05 8:29	18/09/30 16:29	30	117
48406228	Room - Sel Is it possible to use	<android><sc< td=""><td>1458</td><td>3025</td><td>2</td><td>15</td><td>22</td><td>48798</td><td>0</td><td>29</td><td>3</td><td>89</td><td>18/01/23 16:14</td><td>18/01/23 16:14</td><td>18/01/23 16:14</td><td>0</td><td>0</td></sc<></android>	1458	3025	2	15	22	48798	0	29	3	89	18/01/23 16:14	18/01/23 16:14	18/01/23 16:14	0	0
54340470	TRIM is not For the following	<sql><sql-ser< td=""><td>236</td><td>923</td><td>1</td><td>7</td><td>10</td><td>118870</td><td>0</td><td>3</td><td>3</td><td>89</td><td>19/01/24 6:21</td><td>19/01/24 6:26</td><td>19/01/24 6:26</td><td>0</td><td>0</td></sql-ser<></sql>	236	923	1	7	10	118870	0	3	3	89	19/01/24 6:21	19/01/24 6:26	19/01/24 6:26	0	0
49948350	phpMyAdr <strong>UPDATE<td><mysql><php< td=""><td>865</td><td>1690</td><td>1</td><td>14</td><td>29</td><td>195495</td><td>0</td><td>943</td><td>18</td><td>84</td><td>18/04/20 19:15</td><td>18/04/20 21:46</td><td>18/05/20 16:59</td><td>0</td><td>30</td></php<></mysql></td></strong>	<mysql><php< td=""><td>865</td><td>1690</td><td>1</td><td>14</td><td>29</td><td>195495</td><td>0</td><td>943</td><td>18</td><td>84</td><td>18/04/20 19:15</td><td>18/04/20 21:46</td><td>18/05/20 16:59</td><td>0</td><td>30</td></php<></mysql>	865	1690	1	14	29	195495	0	943	18	84	18/04/20 19:15	18/04/20 21:46	18/05/20 16:59	0	30
51442639	Why is 199 I have some clients	<sql-server>&lt;</sql-server>	3784	1493	0	14	26	6128	0	18	2	83	18/07/20 12:32	18/07/20 13:05	18/07/20 13:05	0	0
40437405	Harrist and regilier because alterna		1001	44000	17	100	153	0000	0	2445		02	10/01/24 16:24	10/01/24 16:24	10/01/24 16:24	0	

#### ۲. خروجی فاز ۱ پایتون

QuestionId QuestionTi QuestionBody	QuestionTa (	QuestionBc (	JRLImageC LOC	: (	JserReput: U	serGoldB <sub>i</sub> Us	erSilverE U	serBronze Qu	uestionAc	QuestionVi	QuestionFa Us	serUpVot Q	uestionAi Qu	estionSc	QuestionCreatio	r FirstAnswe	AcceptedA	FirstAnswe	AcceptedAnsv
50093144 MySQL 8.0 I can't make a	<mysql><n< td=""><td>2492</td><td>4</td><td>51</td><td>7655</td><td>3</td><td>10</td><td>14</td><td>64</td><td>1015467</td><td>0</td><td>7</td><td>35</td><td>755</td><td>18/04/30 2:04</td><td>#########</td><td>#########</td><td>2</td><td>2</td></n<></mysql>	2492	4	51	7655	3	10	14	64	1015467	0	7	35	755	18/04/30 2:04	#########	#########	2	2
49194719 Authentica I am connecting	<mysql><m< td=""><td>297</td><td>0</td><td>0</td><td>17755</td><td>9</td><td>53</td><td>82</td><td>61</td><td>1043189</td><td>0</td><td>715</td><td>38</td><td>671</td><td>18/03/09 13:19</td><td>#########</td><td>***************************************</td><td>3</td><td>3</td></m<></mysql>	297	0	0	17755	9	53	82	61	1043189	0	715	38	671	18/03/09 13:19	#########	***************************************	3	3
50379839 Connectior I try to connect	<java><my:< td=""><td>2115</td><td>0</td><td>37</td><td>4667</td><td>3</td><td>9</td><td>10</td><td>73</td><td>670288</td><td>0</td><td>17</td><td>25</td><td>450</td><td>18/05/16 21:02</td><td>#######################################</td><td>***************************************</td><td>4</td><td>4</td></my:<></java>	2115	0	37	4667	3	9	10	73	670288	0	17	25	450	18/05/16 21:02	#######################################	***************************************	4	4
65456814 Docker (Ap I'm running the	<mysql><d< td=""><td>730</td><td>1</td><td>16</td><td>5470</td><td>4</td><td>31</td><td>52</td><td>54</td><td>405092</td><td>0</td><td>34</td><td>24</td><td>445</td><td>20/12/26 13:20</td><td>#########</td><td>***************************************</td><td>11</td><td>11</td></d<></mysql>	730	1	16	5470	4	31	52	54	405092	0	34	24	445	20/12/26 13:20	#########	***************************************	11	11
50177216 How to gra Tried	<mysql><m< td=""><td>584</td><td>0</td><td>2</td><td>2820</td><td>3</td><td>8</td><td>8</td><td>53</td><td>720528</td><td>0</td><td>7</td><td>24</td><td>282</td><td>18/05/04 14:23</td><td>#########</td><td></td><td>2</td><td></td></m<></mysql>	584	0	2	2820	3	8	8	53	720528	0	7	24	282	18/05/04 14:23	#########		2	
50690076 phpMyAdn I have a	<php><mys< td=""><td>539</td><td>0</td><td>2</td><td>5235</td><td>7</td><td>21</td><td>35</td><td>63</td><td>474164</td><td>0</td><td>9</td><td>22</td><td>272</td><td>18/06/04 23:15</td><td>##########</td><td>#########</td><td>3</td><td>3</td></mys<></php>	539	0	2	5235	7	21	35	63	474164	0	9	22	272	18/06/04 23:15	##########	#########	3	3
52364415 PHP with NI'm running	<php><mys< td=""><td>441</td><td>0</td><td>0</td><td>2311</td><td>2</td><td>12</td><td>16</td><td>67</td><td>420053</td><td>0</td><td>1</td><td>8</td><td>228</td><td>18/09/17 9:17</td><td>***************************************</td><td></td><td>0</td><td></td></mys<></php>	441	0	0	2311	2	12	16	67	420053	0	1	8	228	18/09/17 9:17	***************************************		0	
55038942 FATAL: pas I recently	<postgresq< td=""><td>292</td><td>0</td><td>0</td><td>1849</td><td>2</td><td>8</td><td>9</td><td>71</td><td>589784</td><td>0</td><td>0</td><td>18</td><td>183</td><td>19/03/07 8:12</td><td>***************************************</td><td>***************************************</td><td>0</td><td>0</td></postgresq<>	292	0	0	1849	2	8	9	71	589784	0	0	18	183	19/03/07 8:12	***************************************	***************************************	0	0
50557234 Authentica I am trying to	<python>&lt;</python>	499	1	8	4649	13	43	75	42	307207	0	215	29	172	18/05/27 22:53	##########	***************************************	0	0
50026939 php mysqli I am using php	<php><mys< td=""><td>1069</td><td>1</td><td>22</td><td>2568</td><td>2</td><td>16</td><td>20</td><td>51</td><td>310409</td><td>0</td><td>91</td><td>18</td><td>162</td><td>18/04/25 16:15</td><td>#########</td><td>***********</td><td>0</td><td>0</td></mys<></php>	1069	1	22	2568	2	16	20	51	310409	0	91	18	162	18/04/25 16:15	#########	***********	0	0
61523447 Skipping ac Good	<li>linux&gt;<po< td=""><td>548</td><td>3</td><td>3</td><td>1601</td><td>2</td><td>6</td><td>3</td><td>50</td><td>108093</td><td>0</td><td>0</td><td>4</td><td>160</td><td>20/04/30 12:31</td><td></td><td></td><td>1</td><td></td></po<></li>	548	3	3	1601	2	6	3	50	108093	0	0	4	160	20/04/30 12:31			1	
55300370 PostgreSQl To have an	<postgresq< td=""><td>343</td><td>2</td><td>4</td><td>36202</td><td>11</td><td>45</td><td>69</td><td>71</td><td>79782</td><td>0</td><td>1709</td><td>1</td><td>150</td><td>19/03/22 13:10</td><td>#########</td><td>***************************************</td><td>0</td><td>0</td></postgresq<>	343	2	4	36202	11	45	69	71	79782	0	1709	1	150	19/03/22 13:10	#########	***************************************	0	0
57879150 How can I s I want to run	<node.js>&lt;</node.js>	9526	4	106	12524	73	249	449	65	296271	0	463	28	144	19/09/10 22:59	************		135	
48218065 Objects cre I can't find the	<python>&lt;</python>	981	0	15	1293	2	7	5	52	143516	0	0	11	128	18/01/12 0:52	***************************************	***************************************	0	0
58461178 How to fix l'm trying to	<postgresq< td=""><td>466</td><td>0</td><td>2</td><td>1393</td><td>2</td><td>7</td><td>8</td><td>71</td><td>116287</td><td>0</td><td>5</td><td>15</td><td>126</td><td>19/10/19 6:39</td><td>***************************************</td><td></td><td>0</td><td></td></postgresq<>	466	0	2	1393	2	7	8	71	116287	0	5	15	126	19/10/19 6:39	***************************************		0	
57665645 Server retu My Intelij IDE	<mysql><sc< td=""><td>262</td><td>0</td><td>0</td><td>1240</td><td>2</td><td>6</td><td>7</td><td>81</td><td>88473</td><td>0</td><td>54</td><td>5</td><td>113</td><td>19/08/26 22:29</td><td>***************************************</td><td>***************************************</td><td>1</td><td>1</td></sc<></mysql>	262	0	0	1240	2	6	7	81	88473	0	54	5	113	19/08/26 22:29	***************************************	***************************************	1	1
54513450 A strange c	<sql><sql-s< td=""><td>727</td><td>1</td><td>13</td><td>839</td><td>1</td><td>6</td><td>7</td><td>61</td><td>8047</td><td>0</td><td>1</td><td>3</td><td>105</td><td>19/02/04 9:43</td><td>***************************************</td><td></td><td>0</td><td></td></sql-s<></sql>	727	1	13	839	1	6	7	61	8047	0	1	3	105	19/02/04 9:43	***************************************		0	
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52032739 Loading cla This is the	<mysql><jc< td=""><td>303</td><td>0</td><td>4</td><td>1021</td><td>2</td><td>7</td><td>7</td><td>70</td><td>278424</td><td>0</td><td>0</td><td>26</td><td>100</td><td>18/08/27 4:52</td><td>***************************************</td><td></td><td>23</td><td></td></jc<></mysql>	303	0	4	1021	2	7	7	70	278424	0	0	26	100	18/08/27 4:52	***************************************		23	
59993844 ERROR: Loal don't	<mysql><cl< td=""><td>2238</td><td>0</td><td>38</td><td>1121</td><td>1</td><td>6</td><td>4</td><td>38</td><td>257829</td><td>0</td><td>0</td><td>15</td><td>99</td><td>20/01/30 20:15</td><td>************</td><td></td><td>3</td><td></td></cl<></mysql>	2238	0	38	1121	1	6	4	38	257829	0	0	15	99	20/01/30 20:15	************		3	
51335298 Concepts o Can anyone	<python>&lt;</python>	958	0	14	1009	2	10	11	68	34417	0	0	2	97	18/07/14 4:44	***************************************		561	
52423595 mysqldum I want to dump	<mysql></mysql>	510	0	1	14737	6	67	65	68	61214	0	64	3	93	18/09/20 11:00	#########	***************************************	0	0
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48406228 Room - Selds it possible to	<android>&lt;</android>	1116	1	13	3025	2	15	22	76	48798	0	29	3	89	18/01/23 16:14	************	**********	0	0
54340470 TRIM is not For the	<sql><sql-s< td=""><td>159</td><td>0</td><td>4</td><td>923</td><td>1</td><td>7</td><td>10</td><td>57</td><td>118870</td><td>0</td><td>3</td><td>3</td><td>89</td><td>19/01/24 6:21</td><td></td><td>***************************************</td><td>0</td><td>0</td></sql-s<></sql>	159	0	4	923	1	7	10	57	118870	0	3	3	89	19/01/24 6:21		***************************************	0	0
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51442639 Why is 1991 have some	<sql-server< td=""><td>3520</td><td>0</td><td>86</td><td>1493</td><td>0</td><td>14</td><td>26</td><td>45</td><td>6128</td><td>0</td><td>18</td><td>2</td><td>83</td><td>18/07/20 12:32</td><td>***************************************</td><td>***************************************</td><td>0</td><td>0</td></sql-server<>	3520	0	86	1493	0	14	26	45	6128	0	18	2	83	18/07/20 12:32	***************************************	***************************************	0	0
4042740F		C42	2	0	41000	47	100	153	50	0000	0	2445		02	10/01/24 16-24			0	

#### ۳. خروجی لیبلزده شده

uestionId QuestionTit QuestionB					_							eropvotequi			CreFirstAnswer AcceptedAr	riistaliswei acce		
0093144 MySQL 8.0 - I can't	<mysql><nc< td=""><td>2492</td><td>4</td><td>51</td><td>7655</td><td>3</td><td>10</td><td>14</td><td>64</td><td>1015467</td><td>0</td><td>7</td><td>35</td><td></td><td>** ******** ********</td><td>2</td><td>2 Advanced</td><td>32</td></nc<></mysql>	2492	4	51	7655	3	10	14	64	1015467	0	7	35		** ******** ********	2	2 Advanced	32
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0177216 How to grai Tried	<mysql><m< td=""><td>584</td><td>0</td><td>2</td><td>2820</td><td>3</td><td>8</td><td>8</td><td>53</td><td>720528</td><td>0</td><td>7</td><td>24</td><td>282 #######</td><td>** ********</td><td>2</td><td>Basic</td><td>9</td></m<></mysql>	584	0	2	2820	3	8	8	53	720528	0	7	24	282 #######	** ********	2	Basic	9
0690076 phpMyAdm I have a	<php><mys< td=""><td>539</td><td>0</td><td>2</td><td>5235</td><td>7</td><td>21</td><td>35</td><td>63</td><td>474164</td><td>0</td><td>9</td><td>22</td><td>272 #######</td><td>** ******** *******</td><td>3</td><td>3 Basic</td><td>14</td></mys<></php>	539	0	2	5235	7	21	35	63	474164	0	9	22	272 #######	** ******** *******	3	3 Basic	14
2364415 PHP with M I'm	<php><mys< td=""><td>441</td><td>0</td><td>0</td><td>2311</td><td>2</td><td>12</td><td>16</td><td>67</td><td>420053</td><td>0</td><td>1</td><td>8</td><td>228 #######</td><td>** ********</td><td>0</td><td>Basic</td><td>3</td></mys<></php>	441	0	0	2311	2	12	16	67	420053	0	1	8	228 #######	** ********	0	Basic	3
5038942 FATAL: pass I recently	<postgresql< p=""></postgresql<>	292	0	0	1849	2	8	9	71	589784	0	0	18	183 #######	** ******** ********	0	0 Basic	13
0557234 Authentical I am trying	<python><r< td=""><td>499</td><td>1</td><td>8</td><td>4649</td><td>13</td><td>43</td><td>75</td><td>42</td><td>307207</td><td>0</td><td>215</td><td>29</td><td>172 #######</td><td>** ******** ********</td><td>0</td><td>0 Advanced</td><td>44</td></r<></python>	499	1	8	4649	13	43	75	42	307207	0	215	29	172 #######	** ******** ********	0	0 Advanced	44
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1523447 Skipping acc Good	<li>linux&gt;<pos< td=""><td>548</td><td>3</td><td>3</td><td>1601</td><td>2</td><td>6</td><td>3</td><td>50</td><td>108093</td><td>0</td><td>0</td><td>4</td><td>160 #######</td><td>** ********</td><td>1</td><td>Basic</td><td>14</td></pos<></li>	548	3	3	1601	2	6	3	50	108093	0	0	4	160 #######	** ********	1	Basic	14
3300370 PostgreSQL To have an	<postgresql< td=""><td>343</td><td>2</td><td>4</td><td>36202</td><td>11</td><td>45</td><td>69</td><td>71</td><td>79782</td><td>0</td><td>1709</td><td>1</td><td>150 #######</td><td></td><td>0</td><td>0 Intermedia</td><td>19</td></postgresql<>	343	2	4	36202	11	45	69	71	79782	0	1709	1	150 #######		0	0 Intermedia	19
7879150 How can I s I want to	<node.js><s< td=""><td>9526</td><td>4</td><td>106</td><td>12524</td><td>73</td><td>249</td><td>449</td><td>65</td><td>296271</td><td>0</td><td>463</td><td>28</td><td>144 #######</td><td>** ********</td><td>135</td><td>Intermedia</td><td>30</td></s<></node.js>	9526	4	106	12524	73	249	449	65	296271	0	463	28	144 #######	** ********	135	Intermedia	30
218065 Objects creal can't find	<python><r< td=""><td>981</td><td>0</td><td>15</td><td>1293</td><td>2</td><td>7</td><td>5</td><td>52</td><td>143516</td><td>0</td><td>0</td><td>11</td><td>128 #######</td><td></td><td>0</td><td>0 Basic</td><td>6</td></r<></python>	981	0	15	1293	2	7	5	52	143516	0	0	11	128 #######		0	0 Basic	6
3461178 How to fix " l'm	<postgresql< td=""><td>466</td><td>0</td><td>2</td><td>1393</td><td>2</td><td>7</td><td>8</td><td>71</td><td>116287</td><td>0</td><td>5</td><td>15</td><td>126 #######</td><td>** ********</td><td>0</td><td>Basic</td><td>9</td></postgresql<>	466	0	2	1393	2	7	8	71	116287	0	5	15	126 #######	** ********	0	Basic	9
7665645 Server returMy Intelij	<mysql><sq< td=""><td>262</td><td>0</td><td>0</td><td>1240</td><td>2</td><td>6</td><td>7</td><td>81</td><td>88473</td><td>0</td><td>54</td><td>5</td><td>113 #######</td><td></td><td>1</td><td>1 Basic</td><td>14</td></sq<></mysql>	262	0	0	1240	2	6	7	81	88473	0	54	5	113 #######		1	1 Basic	14
4513450 A strange o	<sql><sql-se< td=""><td>727</td><td>1</td><td>13</td><td>839</td><td>1</td><td>6</td><td>7</td><td>61</td><td>8047</td><td>0</td><td>1</td><td>3</td><td>105 #######</td><td>** *******</td><td>0</td><td>Basic</td><td>2</td></sql-se<></sql>	727	1	13	839	1	6	7	61	8047	0	1	3	105 #######	** *******	0	Basic	2
0864367 #1030 - Got Created a	<mysql><ph< td=""><td>237</td><td>1</td><td>0</td><td>1003</td><td>2</td><td>8</td><td>7</td><td>44</td><td>156659</td><td>0</td><td>4</td><td>6</td><td>100 #######</td><td></td><td>35</td><td>52 Advanced</td><td>37</td></ph<></mysql>	237	1	0	1003	2	8	7	44	156659	0	4	6	100 #######		35	52 Advanced	37
2032739 Loading cla: This is the	<mysql><jdl< td=""><td>303</td><td>0</td><td>4</td><td>1021</td><td>2</td><td>7</td><td>7</td><td>70</td><td>278424</td><td>0</td><td>0</td><td>26</td><td>100 #######</td><td>** *******</td><td>23</td><td>Advanced</td><td>38</td></jdl<></mysql>	303	0	4	1021	2	7	7	70	278424	0	0	26	100 #######	** *******	23	Advanced	38
9993844 ERROR: Loa I don't	<mysql><cli< td=""><td>2238</td><td>0</td><td>38</td><td>1121</td><td>1</td><td>6</td><td>4</td><td>38</td><td>257829</td><td>0</td><td>0</td><td>15</td><td>99 #######</td><td>** ********</td><td>3</td><td>Basic</td><td>3</td></cli<></mysql>	2238	0	38	1121	1	6	4	38	257829	0	0	15	99 #######	** ********	3	Basic	3
1335298 Concepts of Can	<python><c< td=""><td>958</td><td>0</td><td>14</td><td>1009</td><td>2</td><td>10</td><td>11</td><td>68</td><td>34417</td><td>0</td><td>0</td><td>2</td><td>97 #######</td><td>** ********</td><td>561</td><td>Intermedia</td><td>27</td></c<></python>	958	0	14	1009	2	10	11	68	34417	0	0	2	97 #######	** ********	561	Intermedia	27
2423595 mysqldump I want to	<mysql></mysql>	510	0	1	14737	6	67	65	68	61214	0	64	3	93 #######		0	0 Advanced	32
0691977 How to resel have	<mysql><pa< td=""><td>999</td><td>2</td><td>11</td><td>1479</td><td>1</td><td>12</td><td>16</td><td>68</td><td>155526</td><td>0</td><td>42</td><td>8</td><td>93 #######</td><td></td><td>30</td><td>117 Basic</td><td>9</td></pa<></mysql>	999	2	11	1479	1	12	16	68	155526	0	42	8	93 #######		30	117 Basic	9
8406228 Room - Sele Is it	<android>&lt;</android>	1116	1	13	3025	2	15	22	76	48798	0	29	3	89 ######		0	0 Basic	9
340470 TRIM is not For the	<sql><sql-se< td=""><td>159</td><td>0</td><td>4</td><td>923</td><td>1</td><td>7</td><td>10</td><td>57</td><td>118870</td><td>0</td><td>3</td><td>3</td><td>89 #######</td><td></td><td>0</td><td>0 Basic</td><td>1</td></sql-se<></sql>	159	0	4	923	1	7	10	57	118870	0	3	3	89 #######		0	0 Basic	1
9948350 phpMyAdm UPDATE	<mysql><ph< td=""><td>773</td><td>0</td><td>3</td><td>1690</td><td>1</td><td>14</td><td>29</td><td>69</td><td>195495</td><td>0</td><td>943</td><td>18</td><td>84 #######</td><td></td><td>0</td><td>30 Basic</td><td>14</td></ph<></mysql>	773	0	3	1690	1	14	29	69	195495	0	943	18	84 #######		0	30 Basic	14
442639 Why is 199. I have	<sql-server></sql-server>	3520	0	86	1493	0	14	26	45	6128	0	18	2	83 #######		0	0 Basic	2
427185 How to mal I've been	<dataframe< td=""><td>642</td><td>2</td><td>0</td><td>41968</td><td>17</td><td>109</td><td>152</td><td>50</td><td>9088</td><td>0</td><td>3145</td><td>4</td><td>83 #######</td><td></td><td>0</td><td>0 Intermedia</td><td>31</td></dataframe<>	642	2	0	41968	17	109	152	50	9088	0	3145	4	83 #######		0	0 Intermedia	31
645402 MySQL: Syn I just	<mysql><sq< td=""><td>285</td><td>0</td><td>2</td><td>2164</td><td>4</td><td>24</td><td>42</td><td>81</td><td>101109</td><td>0</td><td>417</td><td>7</td><td>82 #######</td><td></td><td>0</td><td>0 Basic</td><td>1</td></sq<></mysql>	285	0	2	2164	4	24	42	81	101109	0	417	7	82 #######		0	0 Basic	1
265913 Error: TCP FI am trying		725	2	2	821	1	6	3	43	102076	0	0	21	82 #######	** ********	0	Intermedia	15
5108144 Using S3 as Due to	<mongodb></mongodb>	540	0	0	2978	6	26	47	80	63603	0	1087	2	80 #######		0	0 Intermedia	18
0746465 How do I ca I am	<c#><entity< td=""><td>2470</td><td>0</td><td>53</td><td>2850</td><td>2</td><td>17</td><td>34</td><td>65</td><td>57172</td><td>0</td><td>50</td><td>0</td><td>90 #######</td><td></td><td>1</td><td>51 Basic</td><td>9</td></entity<></c#>	2470	0	53	2850	2	17	34	65	57172	0	50	0	90 #######		1	51 Basic	9

### ۴. خروجی نمودارها

#### Distribution of Question Labels by Category





