

# 2021 Kaggle Survey Distribute

- K a g g l e   S u r v e y   D a s h b o a r d -

WJ's Dashboard

\*\*\*\*\*



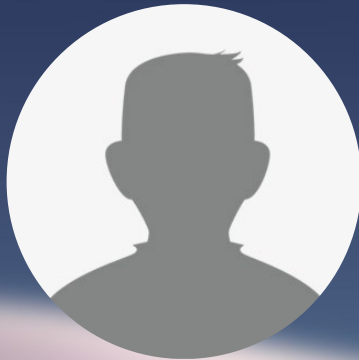
Shut Down



Restart



Sleep



WJ's Dashboard

\*\*\*\*\* I >



Shut Down



Restart



Sleep

Intro.rtf	
Intro .	
이 름	전 우 정
시 각 화 교 육 기 간	2021. 11. 15 ~
대 시 보 드 제 작 기 간	2021. 12. 20 ~ 2021. 12. 28
대 시 보 드 U R L	<a href="https://kagglesurvey2021dashboard.herokuapp.com/">https://kagglesurvey2021dashboard.herokuapp.com/</a>
간 단 이 력	<a href="https://github.com/cincu4221/project">https://github.com/cincu4221/project</a>
Github Overview	<a href="https://github.com/cincu4221">https://github.com/cincu4221</a>
캐 글 대 회 페 이 지	<a href="https://www.kaggle.com/c/kaggle-survey-2021/overview">https://www.kaggle.com/c/kaggle-survey-2021/overview</a>
제 출 노 트 북	<a href="https://www.kaggle.com/kwdoku145/the-latest-trends-in-east-asia-japan-and-china">https://www.kaggle.com/kwdoku145/the-latest-trends-in-east-asia-japan-and-china</a>

# 전체 데이터셋 개요 .

파일명 / 파일크기	Kaggle_survey_2021_responses.csv / 35,203,886 Byte ( 33.57 MB )
데이터셋 개요	42+Questions & 25,973 responses
데이터 출처	<a href="https://www.kaggle.com/c/kaggle-survey-2021/data">https://www.kaggle.com/c/kaggle-survey-2021/data</a>

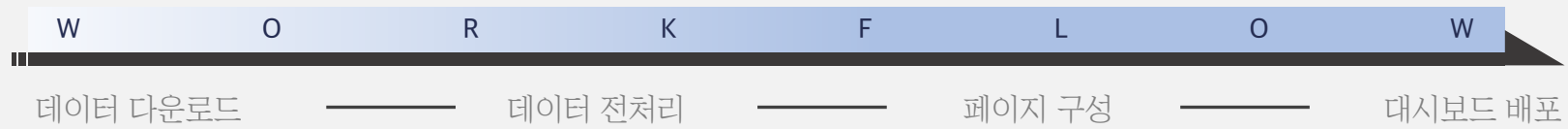


# 실제 프로젝트 시 사용 데이터셋 개요.

No.	컬럼명	데이터셋	데이터 타입	결측치 유무	데이터 값 예시
1	Q1	연령	문자열	N	18-21, 22-24, 25-29, 30-34, 35-39, 40-44 ... 70+
2	Q2	성별	문자열	N	Man, Woman, Prefer not to say, Nonbinary, Perfer to self-describe
3	Q5	직업	문자열	N	Student, Data Scientist, Data Analyst, statistician,... Other
4	Q6	경력	문자열	N	I have never written code, < 1 years, ... 10-20 years

Workflow.rtf

# 워크플로우 .



Survey  
Data  
다운로드

데이터셋에  
따라 분류

HTML &  
CSS  
코드 작성

Heroku  
연동후 배포

데이터  
시각화

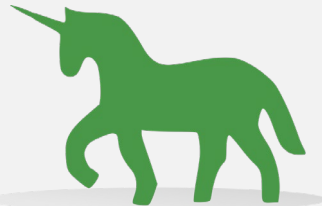


피벗테이블,  
데이터 설명  
탭 구성



Setting.rtf

환경설정 .

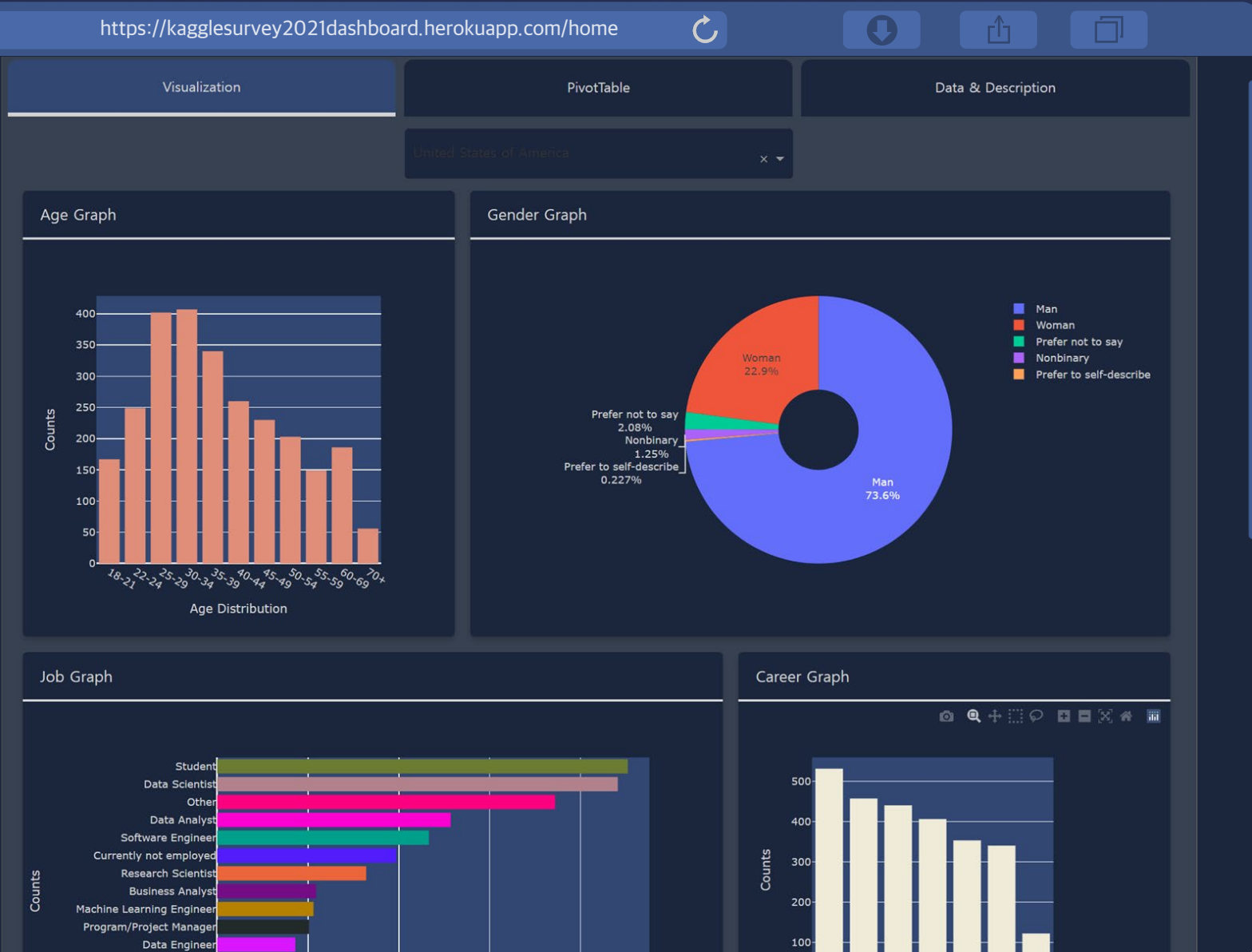
라이브러리	버 전
Python	3.9.0
Dash	1.21.0
Dash-pivottable	0.0.2
Plotly	5.4.0
Plotly-express	0.4.1
Numpy	1.21.4
Pandas	1.3.5
Gunicorn	20.1.0



# Visualization , 데이터를 한눈에 .

대시보드의 꽃 시각화

**Visualization** 탭은  
나이, 성별, 직업, 경력  
네가지의 데이터를 국가로  
필터링, 원하는 결과를 보기  
좋게 만들어주죠.



Visualization

PivotTable

Data & Description

PivotTable

Table

Count

Country

Career

Gender

Job

Age

	18-21	22-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-69	70+	Totals
Algeria	6	10	11	4	5	1	3	4				44
Argentina	13	8	24	33	28	29	13	13	11	9	1	182
Australia	16	20	33	46	33	25	27	22	13	21	8	264
Austria	3	7	10	8	4	7	6	2	2	2		51
Bangladesh	56	131	76	29	12	8	3	1			1	317
Belarus	7	7	9	9	7	1	5	1	4		1	51
Belgium	2	6	14	15	3	6	5	8	4	2		65
Brazil	50	78	161	135	108	82	50	37	32	17	1	751
Canada	17	25	61	62	34	41	29	23	13	20	6	331
Chile	3	4	20	18	19	11	8	10	4	4	1	102
China	206	275	159	109	39	14	8	1	2		1	814
Colombia	24	24	53	34	29	22	16	11	6	6		225
Czech Republic	5	12	13	7	7	10	4	2	2	1		63
Denmark	3	3	9	9	10	2	4	2	4	2		48
Ecuador	4	5	10	9	3	6	5	7		1		50
Egypt	122	129	82	53	39	27	21	8	1			482
Ethiopia	2	1	13	12	9	4	2					43
France	16	57	93	55	48	51	29	22	11	14	5	401
Germany	23	30	101	91	79	61	27	19	20	16	3	470
Ghana	8	25	31	11	7	11	4	1		1		99
Greece	5	14	25	15	11	9	13	5	5			102
Hong Kong (S.A.R.)	10	11	14	13	15	3	6	4	2	1		79
I do not wish to disclose my location	15	12	10	6	12	6	3	3	1		1	69
India	2,719	1,795	1,275	695	407	284	141	59	33	20	6	7,434
Indonesia	150	93	75	54	23	22	10	14	2	1		444
Iran, Islamic Republic of...	29	46	45	27	30	11	4	3				195
Iraq	6	6	5	7	10	4	2	2	1			43
Ireland	7	7	10	16	9	15	4	10	5	1		84
Israel	10	7	22	30	16	21	11	7	5	8	1	138
Italy	14	36	71	34	31	29	38	25	16	14	3	311
Japan	64	93	169	140	99	95	92	61	50	49	9	921

PivotTable ,  
보고싶은  
항목만  
썩썩 .

필요한 것만 , PivotTable

PivotTable 탭은  
국가, 나이, 성별, 직업, 경력  
다섯가지 항목을 행과 열로  
배치해 필요한 값을 바로 얻을  
수 있습니다.



VisualizationPivotTableData & Description

DescriptionDataCreator

Description

VisualizationPivotTableData & Description

DescriptionDataCreator

Data

**Main Data:**

kaggle\_survey\_2021\_responses.csv: 42+ questions and 25,973 responses

- Responses to multiple choice questions (only a single choice can be selected) were recorded in individual columns. Responses to multiple selection questions (multiple choices can be selected) were split into multiple columns (with one column per answer choice).

**Supplementary Data:**

kaggle\_survey\_2021\_answer\_choices.pdf: list of answer choices for every question

- With footnotes describing which questions were asked to which respondents.

kaggle\_survey\_2021\_methodology.pdf: a description of how the survey was conducted

- You can ask additional questions by posting in the pinned Q&A thread.

**Download Data**

Download Data

Data ,  
그런데 간단한 설명을 곁들인 .

Data & Description 탭은  
대회의 간단한 정보부터  
대시보드에 사용된 데이터가  
무엇인지 표현해 줍니다.  
필요하다면 데이터를  
다운로드할 수도 있죠.

# References.

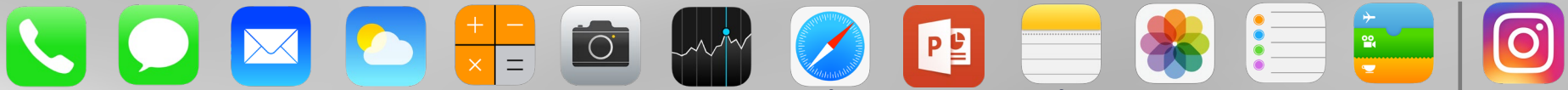
- **Heroku Dash Distribute Posting - Evan**

- <https://torch-law-f0b.notion.site/Heroku-Dash-Windows-10-b3a5d5e6ecea4ff5a896f18b24c080ab>

- **HTML & CSS - TCP SCHOOL.com**

- HTML : <http://tcpschool.com/html/intro>
  - CSS : <http://tcpschool.com/css/intro>

- ***Interactive dashboards and data apps with plotly and dash: Harness the power of a fully fledged frontend web framework in Python no JavaScript required.* Packt Publishing. - Dabbas, E. (2021).**



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Force Quit Safari  
  
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Restart...  
Shut Down...  
Log Out Apple...



