# Market Study: The catalog of Fiverr's Offers

### Table des matières

I.Introduction	
II. The dataset	Z
III. Methodology Section	6
IV. Result Section	
V. Conclusion	

#### I. Introduction

Fiverr is an Israeli online marketplace for freelance services. The company provides a platform for freelancers to offer services to customers worldwide.

Fiverr was founded by Micha Kaufman and Shai Wininger, and was launched in February 2010. The founders came up with the concept of a marketplace that would provide a two-sided platform for people to buy and sell a variety of digital services typically offered by freelance contractors. Services offered on the site include writing, translation, graphic design, video editing and programming. Fiveer's services start at US\$5, and can go up to thousands of dollars with gig extras. Each service offered is called a "gig".

In december 16th 2020, Fiveer announced the results of a survey, conducted in partnership with Censuswide, analyzing U.S. workers who are working remotely or who did so this year and their current sentiment towards remote work and their jobs in 2021. The data set, which looks at 1,035 of these workers, revealed that the current work from home environment is leading to an increase in people's desire to freelance.

View the full release here:

https://www.businesswire.com/news/home/20201216005256/en/

We know that a huge among of person lost their jobs during the Covid crisis and are then searching ways to offer their services in exchange of money. In this perspective Fiveer can be a good way to help people that would like to begin to work as a Freelance. To help them, we gathered information about what they can offer as a gig on Fiveer and what subcategory of gig is the most rewarding in term of price.

Let study which mission is the most profitable to offer as a Fiveer Freelance.

#### **II.** The Dataset

We'll use a csv file of 6183 rows and 7 columns downloaded from Kaggle (<u>Kaggle Fiveer File</u>). Each row represents a gig (small service) and each column represents a feature, it does not contain all offers available on Fiverr but only a sumple of it.

The main goal behind this notebook is to have a clear overview about the market of Fiverr and to extract the maximum amount of informations and to help everyone who is planning to work with Fiverr in his market study by providing an explained analysis of the available date. This analysis will be to fonded on descriptive statistics concepts. Mainly I will show how quantitatif vary in the hole sample first, then how they vary in term of each label of qualitatif or categorical valiables.

The quantitatif variable in this dataset are:
Unamed:0
price
Stars
Votes

There is 2 variable qualitative and categorical: The i...Category and the Subcat.

The i...Category give the name of the major category of offers that a client on Fiveer can ask for. The Subcat is the Subcategories of Categories on Fiveer.

#### The intitial cvs file turned into a dataset look like this:

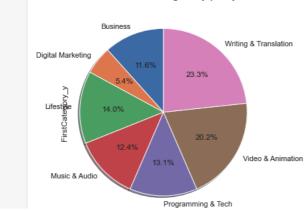
	Unnamed: 0	ïCategory	Subcat	name	price	stars	votes
0	1	Programming & Tech	Data Analysis & Reports	build automated and insightful power bi report	137.76	5.0	10
1	2	Lifestyle	Greeting Cards & Videos	get kermit to personalize a video birthday gre	4.44	5.0	1k+
2	3	Programming & Tech	Website Builders & CMS	build or redesign your existing squarespace we	66.66	5.0	68
3	4	Lifestyle	Cooking Lessons	create original eastern food cooking video recipe	17.78	4.9	5
4	5	Writing & Translation	Legal Writing	write gdpr privacy policy and terms and condit	8.89	5.0	2
6178	6179	Video & Animation	Animated GIFs	do unique motion graphics video and animated gif	39.99	4.8	41
6179	6180	Business	Market Research	compare your business with its competitors	355.51	4.9	4
6180	6181	Writing & Translation	Transcripts	accurately transcribe audio and video files	8.89	5.0	15
6181	6182	Lifestyle	Cooking Lessons	film high quality cooking video	62.21	5.0	8
6182	6183	Lifestyle	Cooking Lessons	give 1100 cooking HQ videos for social media	4.44	4.8	9

6183 rows × 7 columns

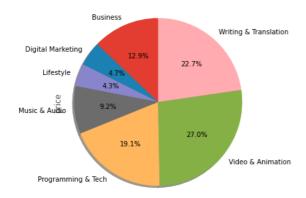
#### **III.** Methodology Section

We are going to group the dataset by the Fiveer categories to understand which categories is the most profitable in term of price if you are looking for offering your services on the application and in terms of quantity of services that you can expect to receive if you are a company looking for a freelance to help you on a mission. For this create a pie diagram is the most accurate as it gives you the share of each Categories comparatively to all the others in Fiveer.





Breakdown Fiverr Categories by price



Then we will focus ourselves on the subcategories and search which subcategories is the most rewarding for a Freelance and so the more costly for the company.

We decided to calcul the mean of the Price and the quantity of each subcategories in Fiveer to get the average price asked for each subcategory.

```
#Get the mean of the average of price by subcategory
df_subcat_updated['mean']= df_subcat_updated['price']/df_subcat_updated['Otity']
df_subcat_updated= df_subcat_updated.sort_values('mean',ascending=False)
df_subcat_updated.reset_index(level=0, inplace=True)
df_subcat_updated

Subcat_Count price Qtity mean
```

Subcat	Count	price	Qtity	mean
Cybersecurity & Data ProtectionNew	126923	9680.174	39	248.209590
Local PhotographyBeta	141529	9109.332	48	189.777750
E-Commerce Development	173859	8924.433	48	185.925687
Website Builders & CMS	127245	8087.870	48	168.497292
Whiteboard & Animated Explainers	166032	7342.283	48	152.964229
Subtitles & Captions	139687	448.730	48	9.348542
Transcripts	151657	422.100	48	8.793750
Traveling	137447	368.750	48	7.682292
Collectibles	154742	324.330	48	6.756875
Article to VideoNew	139103	302.070	48	6.293125
	Cybersecurity & Data ProtectionNew Local PhotographyBeta E-Commerce Development Website Builders & CMS Whiteboard & Animated Explainers Subtitles & Captions Transcripts Traveling Collectibles	Cybersecurity & Data ProtectionNew         126923           Local PhotographyBeta         141529           E-Commerce Development         173859           Website Builders & CMS         127245           Whiteboard & Animated Explainers         166032               Subtitles & Captions         139687           Transcripts         151657           Traveling         137447           Collectibles         154742	Cybersecurity & Data ProtectionNew       126923       9680.174         Local PhotographyBeta       141529       9109.332         E-Commerce Development       173859       8924.433         Website Builders & CMS       127245       8087.870         Whiteboard & Animated Explainers       166032       7342.283              Subtitles & Captions       139687       448.730         Transcripts       151657       422.100         Traveling       137447       368.750         Collectibles       154742       324.330	Cybersecurity & Data ProtectionNew       126923       9680.174       39         Local PhotographyBeta       141529       9109.332       48         E-Commerce Development       173859       8924.433       48         Website Builders & CMS       127245       8087.870       48         Whiteboard & Animated Explainers       166032       7342.283       48                Subtitles & Captions       139687       448.730       48         Transcripts       151657       422.100       48         Traveling       137447       368.750       48         Collectibles       154742       324.330       48

129 rows × 5 columns

Then, we created a histogram of the 50 first rewarding subcategories in Fiveer but to be sure about the relevance of our calculation we used and tested our model with a regression model.

```
In [26]:

| #R2 is a statistic that will give some information about the goodness of fit of a model.
| #In regression, the R2 coefficient of determination is a statistical measure of how well the regression predictions and an expectation of a statistical measure of how well the regression predictions and an expectation of the price of using the feature of the R2.
| ##It a linear regression model to predict the price of using the feature of the R2.
| ##It a linear regression of the R2.
| ##It a linear regres
```

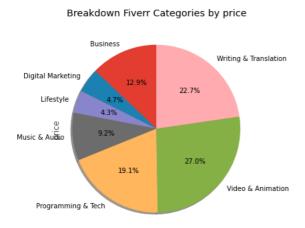
Out[30]: 0.9999999350888501

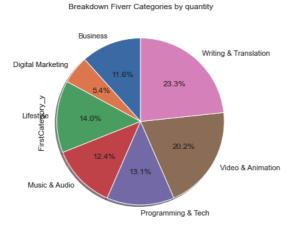
#### **IV.** Result Section

We were looking for the most expensive missions/offers.

For this we first made a study of the share of each Fiveer Categories in price and in quantity. It came out that writing & Translation (23.3%), Video & animation (20.2%) and Lifestyle is (14%) are the biggest categories in quantities of mission offered.

But in term of price Video & animation comes first with 27.0%, then writing & Translation is just behind with 22.7% and finally we find Programming and Tech with 19.1%.





Then we took a sample of the 50 most expensive to help freelancer make their choice among the priciest missions. Please find the title and the mean for each category.

The first 50 subcategories listed on the histograms can be played an average of \$50 to \$250 the mission.

#### V. Conclusion

Overall, the most rewarding categories are Writing & Translation, Video and Animation as well as Programming and Tech because they are part of the most profitable category but also the one with the higher quantity of demand.

Freelancer skilled in the subcategories of Cybersecurity & Data protection New, Local Photography Beta, Ecommerce development, Website Builders & CMS, Whiteboard animated, Short videos ads and business plans, WordPress 3D Product animation and Mobile app are the first 10<sup>th</sup> profitable category in Fiveer.

## VI. References and acknowledgement section.

Kaggle Website: <a href="https://www.kaggle.com/kirilspiridonov/freelancers-offers-on-fiverr">https://www.kaggle.com/kirilspiridonov/freelancers-offers-on-fiverr</a>