



# Data Science in *Chemical Engineering*

## 1. Freelancing in Data Science

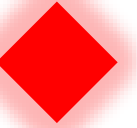
Eng/ Samer Hany

# AGENDA





# Our Team



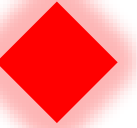
**Dr. Nourhan H. Khashaba**

Lecturer of Chemical Engineering  
Cairo University

*Certified Data Analyst*



# Our Team



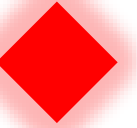
**Dr. Mostafa H. El-Nahas**

Lecturer of Chemical Engineering  
Cairo University





# Our Team



**Eng. Nada Ashraf**

Teaching Assistant of Chemical Engineering  
Cairo University





# Our Team



**Eng. Samer Hany**

Freelance Software Developer & Data Scientist

*M.Sc. in Chemical Engineering*

*Certified Software Developer & Data Scientist*





# About Me



**Samer Hany**

[samerhany.com](http://samerhany.com)

## EDUCATION

**2011-2016**

B.Sc. in Chemical Engineering  
*Cairo University*

**2019-2022**

M.Sc. in Chemical Engineering  
*Cairo University*

**2024-2025**

Micro Masters in Statistics and Data Science  
*MIT*

## EXPERIENCE

**2014-Present**

Full-stack software developer & data scientist  
*Online (Freelance)*

**2018-2022**

Teaching assistant at ChE department  
*Cairo University (Full-time)*

**2023-Present**

Teaching assistant at PPS program  
*Cairo University (Freelance)*

## CERTIFIED BY

### Web Development



### Data Science, Machine Learning, & Artificial Intelligence



# AGENDA

Our Team

Popular Platforms

Tips & Tricks



**Freelancing**

How It Works





# Freelancing



Doing work for clients without committing to full-time employment.



Freelancing is a form of self-employment.



Freelancers often take on multiple projects with different clients simultaneously.

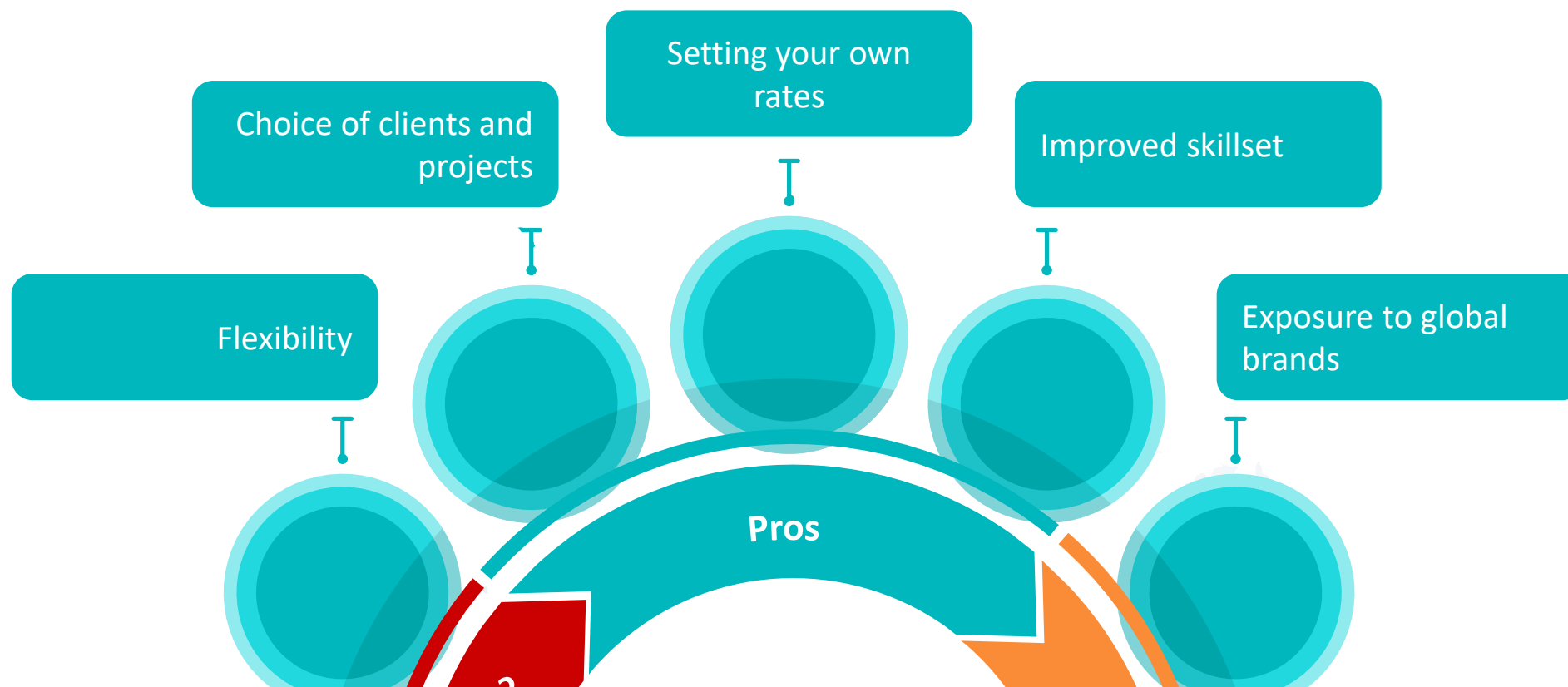
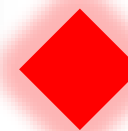


Freelancers handle contract work on a part-time or full-time basis and often sign agreements before starting projects.

What is Freelancing..~

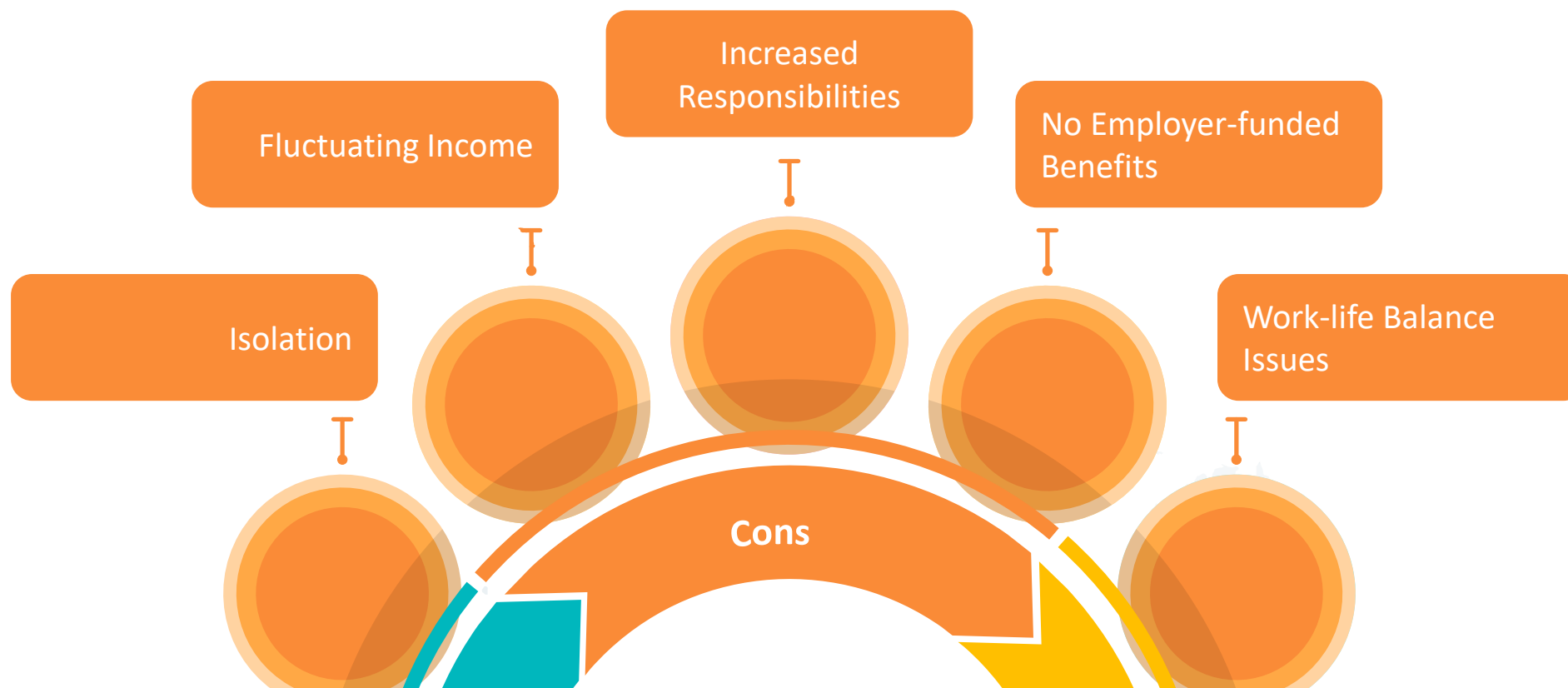
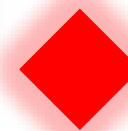


# Freelancing



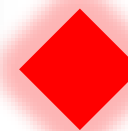


# Freelancing

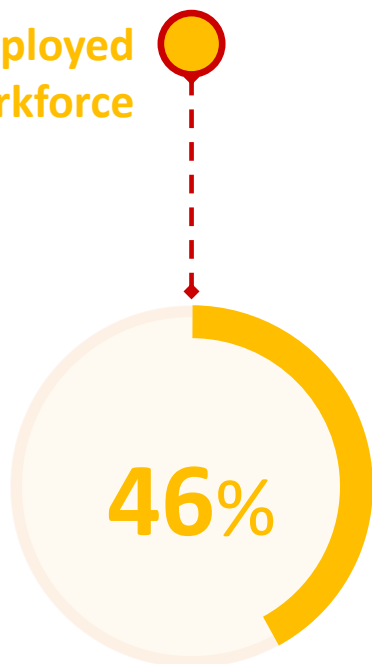




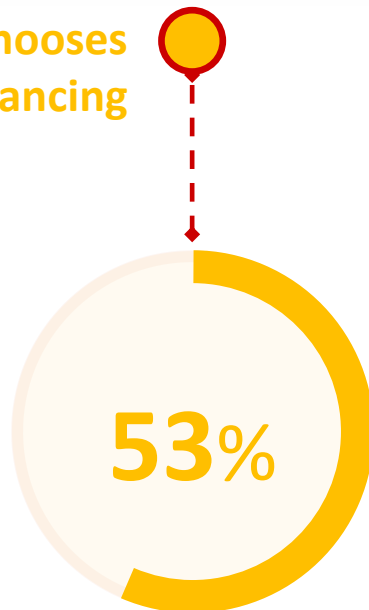
# Freelancing



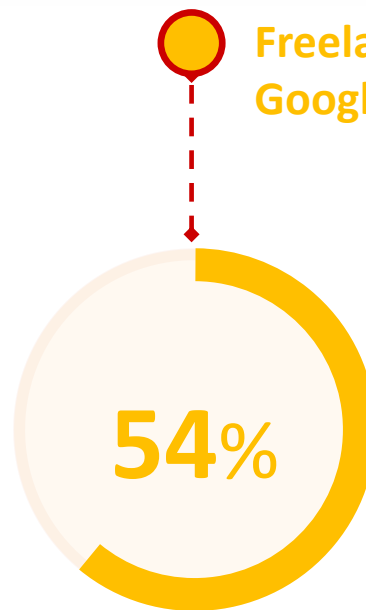
Self-employed  
global workforce



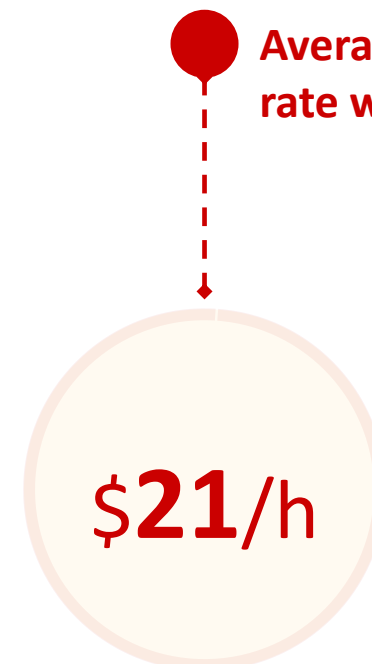
Gen Z chooses  
freelancing



Freelancers in  
Google



Average freelancer  
rate worldwide

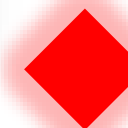


Source: <https://explodingtopics.com/blog/freelance-stats>

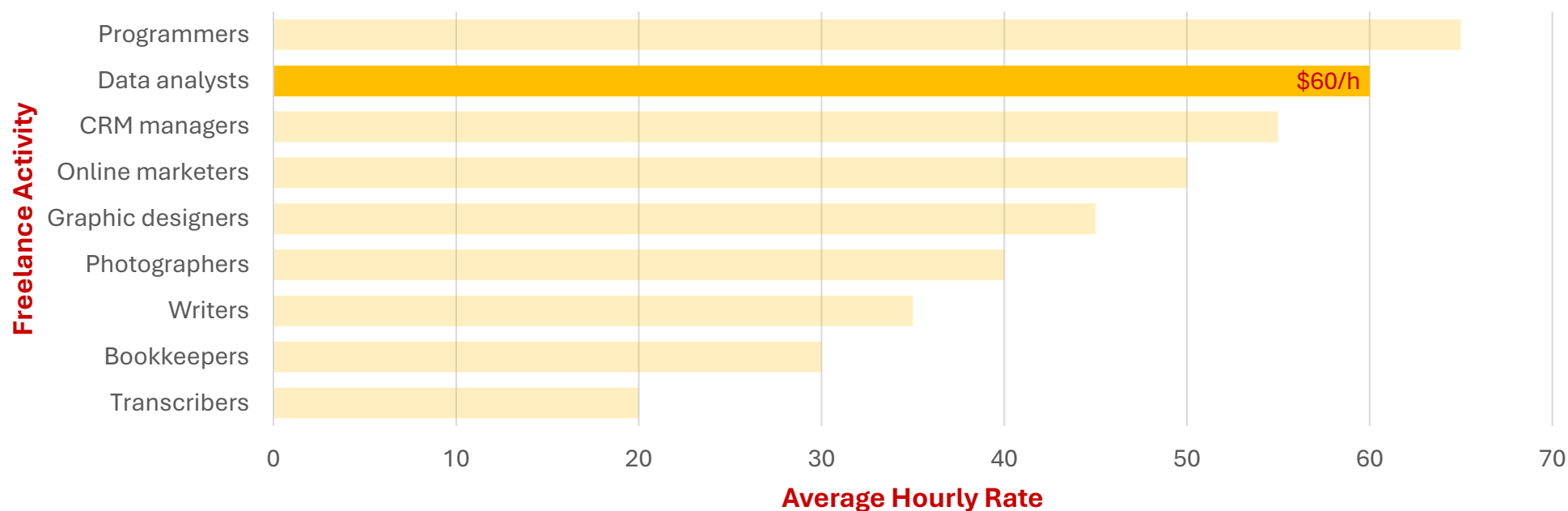
Stats



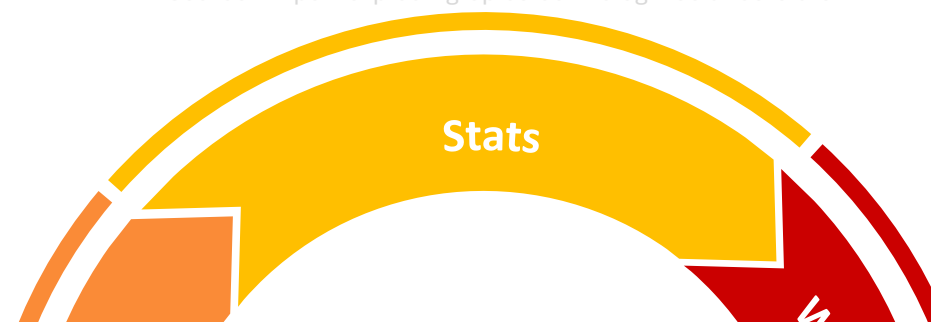
# Freelancing



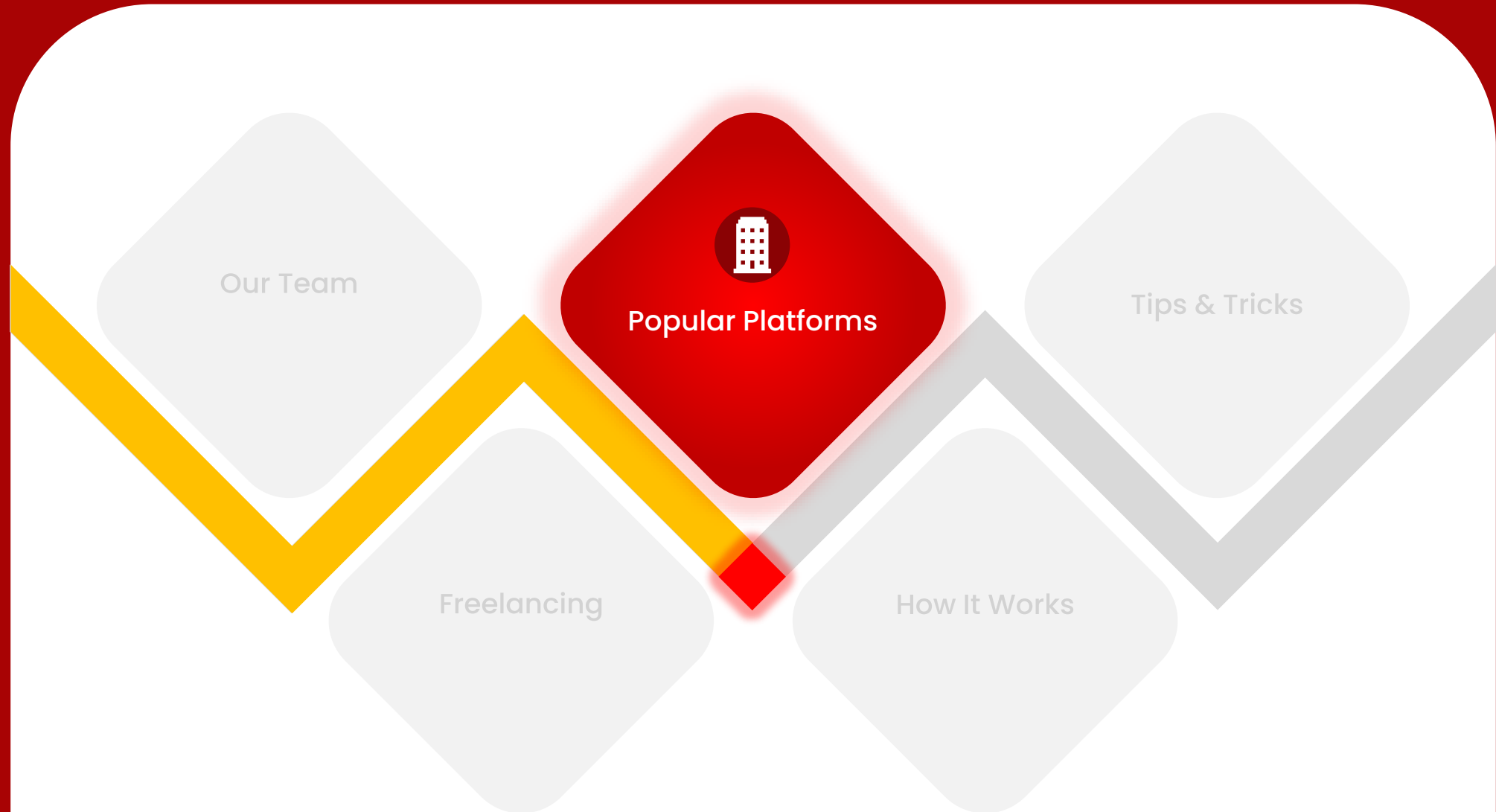
## Average Hourly Rate for most Popular Freelancing activities in the US



Source: <https://explodingtopics.com/blog/freelance-stats>



# AGENDA





## Popular Platforms

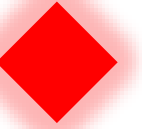


Arabic





# Popular Platforms



International





# AGENDA

Our Team

Popular Platforms

Tips & Tricks

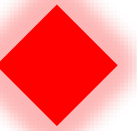
Freelancing

How It Works





# How It Works



**Build Your  
Profile**



**Start  
Working**



**Create an  
Account**



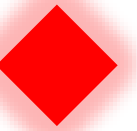
**Get  
Discovered**



**Get Paid**



# How It Works



- Pick a freelancing platform and visit their home page
- Find the “**sign up**” section
- You might need to select account type as “**freelancer**”
- Some websites ask for a CV
- Upload a scan of your valid ID (preferably **passport**)
- Complete your profile by adding your skills, experience, and portfolio
- Set up your payment method and billing information



**Create an  
Account**



# How It Works



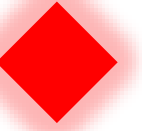
- Complete all the available fields:
  - Personal information
  - Skills
  - Experience
  - Portfolio
- Make it visually appealing:
  - Professional profile picture
  - Utilize cover picture
  - Eye-catching portfolio pictures
- Write a descriptive title with your specialization

**Build Your  
Profile**





# How It Works



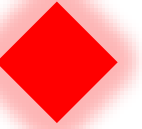
- Find your target audience and platform
- Network with other freelancers
- Market yourself (network, social media, on-platform)
- If the platform is gig-based, share and promote your gigs
- If the platform is bid-based, write great proposals



**Get  
Discovered**



# How It Works



- Clearly define the project scope (deliverables, timeline, budget)
- Breakdown the project into smaller tasks and set realistic deadlines
- Use a project management tool to track your progress
- Always communicate and get feedback from your client throughout the process to ensure you are aligned to the same end goal

**Start  
Working**





# How It Works



- Verify your freelancing account (upload your ID)
- Choose a payment service (PayPal & Payoneer are the most common for Egypt) and create an account to receive payments
- Link your bank account to your payment service account using IBAN



**Get Paid**

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Popular Platforms

  
Tips & Tricks

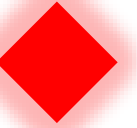
Freelancing

How It Works





# Tips & Tricks



Don't work for free.  
Set competitive rates.

Market yourself.



Start now!  
Grow as you go.

Productize your services.

Learn from top-rated  
freelancers in your field.

**THANK YOU!**

**Eng/ Samer Hany**

samer.hany@eng.cu.edu.eg

**Eng/ Nada Ashraf**

bakrynada8@eng.cu.edu.eg