



Virtual Tour
Guide and AI
Recommender

2024 - 2025



SURVEY ANALYSIS

GRADUATION PROJECT

PHASE (I)

SURVEY QUESTIONS

Section	Questions	Purpose	How It Helps
<div>Demographics</div> <div></div>	<ul style="list-style-type: none">- What is your nationality? - Gender?- Age?- What is your preferred budget range for accommodation per night?	<p>Collect demographic and financial data to segment the audience and tailor travel experiences.</p>	<ul style="list-style-type: none">- Identifies dominant traveler profiles by nationality, gender, and age.- Determines budget preferences to suggest relevant accommodations and packages.- Guides localization of content and offerings to meet specific audience needs.
<div>Seasonal and Weather Preferences</div> <div></div>	<ul style="list-style-type: none">- Which season do you prefer for traveling to Egypt?- What type of weather do you prefer when traveling to Egypt?	<p>Understand travel timing and weather preferences to plan suitable activities.</p>	<ul style="list-style-type: none">- Enables promotion of seasonal attractions like summer beach vacations or winter cultural tours.- Aligns weatherdependent activities with traveler expectations
<div>Culinary Interests</div> <div></div>	<ul style="list-style-type: none">- Are you interested in exploring food and cuisine during your travels in Egypt?- What type of food experience would you be most interested in while traveling to Egypt?	<p>Explore interest in culinary tourism and identify preferred food experiences.</p>	<ul style="list-style-type: none">- Shapes food tours and culinary events (e.g., street food markets, traditional cooking classes).- Highlights Egypt's culinary diversity to attract food enthusiasts
<div>Cultural and Social Interests</div> <div></div>	<ul style="list-style-type: none">- How interested are you in experiencing and socializing with local people to learn about Egyptian traditions? - How interested are you in historical and cultural activities in Egypt?- Which of the following historical and cultural activities are you interested in while traveling to Egypt?	<p>Assess the appeal of cultural immersion and historical exploration.</p>	<ul style="list-style-type: none">- Prioritizes activities like guided tours of historical neighborhoods or cultural festivals.- Promotes Egypt's heritage as a unique travel motivator.

Adventure and Outdoor Activities



- How interested are you in adventure and outdoor activities in Egypt?
- Which of the following adventure and outdoor activities are you interested in while traveling to Egypt?

Determine demand for adventure tourism.

- Tailors outdoor experiences like desert safaris, hiking, or diving tours.
- Highlights Egypt's natural landscapes as adventure destinations.

Beach and Relaxation Preferences



- How interested are you in beach and relaxation activities in Egypt?
- Which of the following beach and relaxation activities are you interested in while traveling to Egypt?

Gauge interest in leisure travel to coastal areas.

- Promotes Egypt's beach destinations like Sharm ElSheikh and Hurghada.
- Aligns leisure activities with tourist preferences.

Religious and Spiritual Interests



- How interested are you in visiting religious sites in Egypt?
- Which religious sites are you interested in visiting while traveling in Egypt?

Understand interest in religious and spiritual tourism.

- Promotes religious sites and events, such as Ramadan or Coptic festivals.
- Encourages visits to iconic landmarks like mosques and monasteries.

Travel Preferences and Behavior



- When traveling to Egypt, do you prefer to travel solo or with others?
- Before traveling to a new country, do you like to know about the local laws and obligations?

Understand travel styles and preparation habits.

- Shapes group or solo travel packages.
- Provides guidance on including legal and cultural tips in promotional materials.

App Development and Features





- Would you be interested in using an app that provides general guidance and information for your travels in Egypt?
- What type of content would you like to see in our new app?
- What specific features or information would you like the app to provide?
- Have you used a travel guidance application before?

Assess interest in and gather feedback for a travel guidance app.

- Validates the demand for a comprehensive app for Egypt tourism.
- Guides feature development to meet user expectations and improve usability.

















Descriptive Analysis of Survey Responses

Packages used for Survey Analysis	
 Pandas	For data manipulation and advanced analysis
 NumPy	For numerical computing and mathematical operations
Plotly	For creating dynamic and visually appealing plots

When Survey Start and End ?

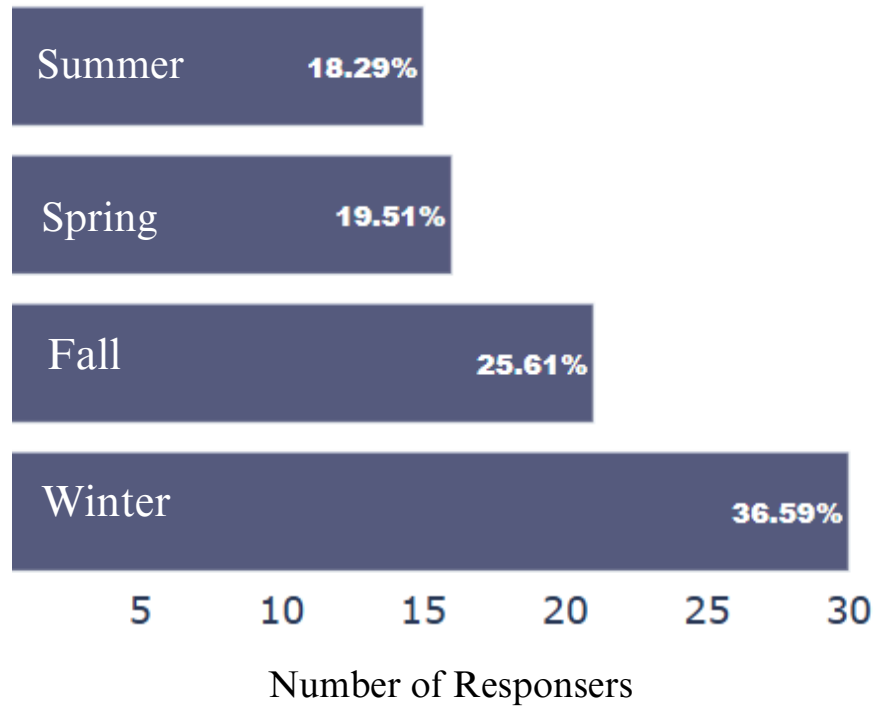
Start Date	7 days, 17 hours, 6 mins	End Date
2024-11-05		2024-11-12

Summary About Survey Responders

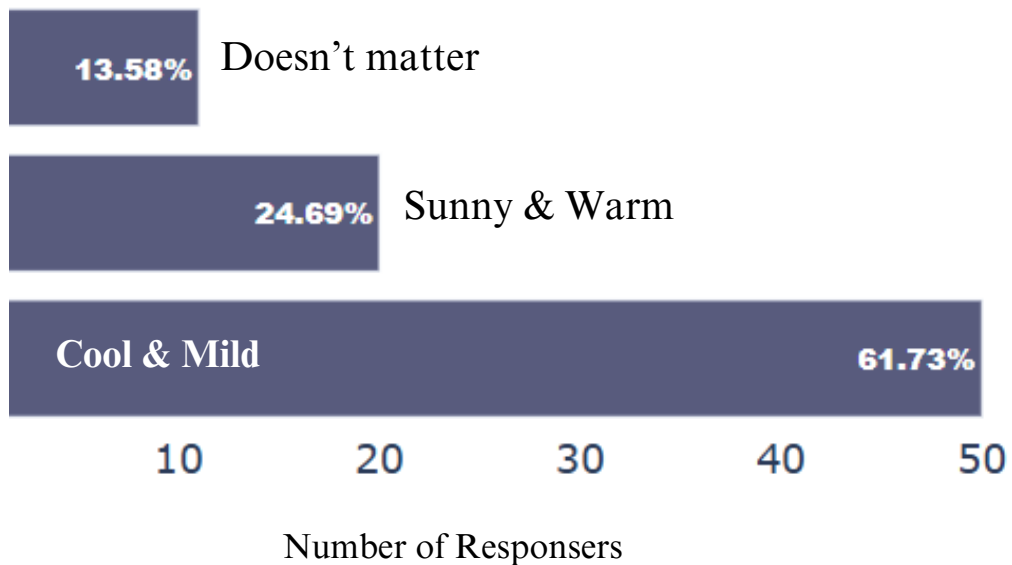
	Whole Responses  + 	Egyption Responses 	Foreign Responses 
	82	23	59
Gender % 	 38 46.3 %	 10 43.5 %	 28 47.5 %
	 44 53.7 %	 13 56.5 %	 31 52.5 %
Age	18–29 64 78.05 %	18–29 23 100.0 %	18–29 41 69.49 %
	30–49 14 17.07 %		30–49 14 23.73 %
	50 & above 03 3.66 %		50 and above 03 5.08 %
	Under 18 01 1.22 %		Under 18 01 1.69 %
Open Questions Responses	27 	8 	19 



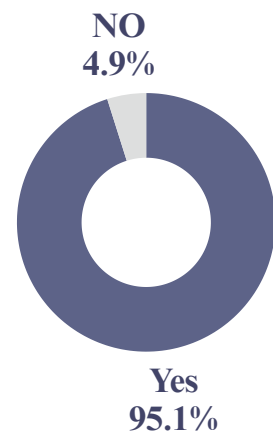
Seasons Preferences for Traveling to Egypt for Responders



Prfered Weather For Whole Responders



How Tourists interested in exploring food and cuisine during Their travels in Egypt?



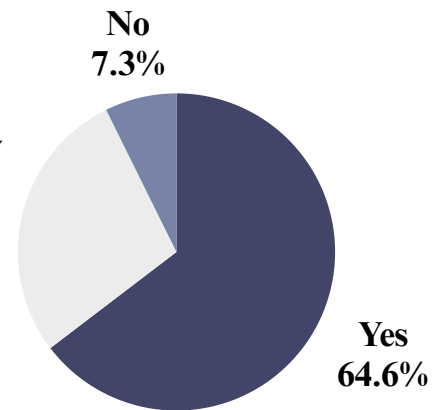


Egyptopia Survey Analysis

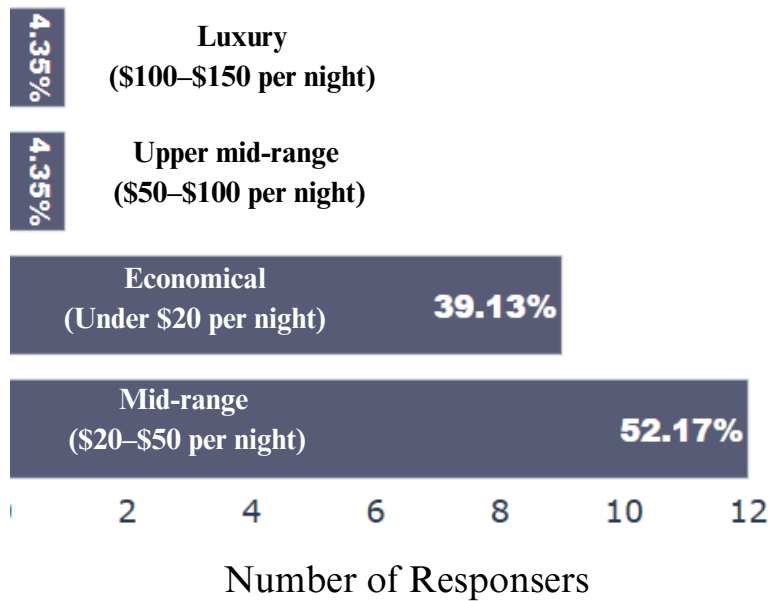


Percentage of foreign travels who like to know about the local laws and obligations vs who not ?

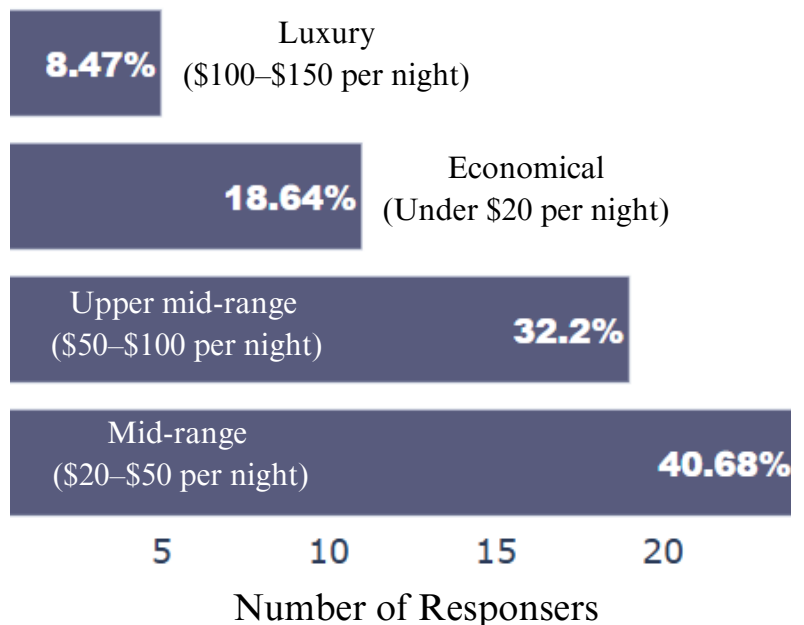
Depending on the country
28%



Preferred budget for Traveling In Egypt for Egyptians



Preferred budget for Traveling to Egypt for Foreigns

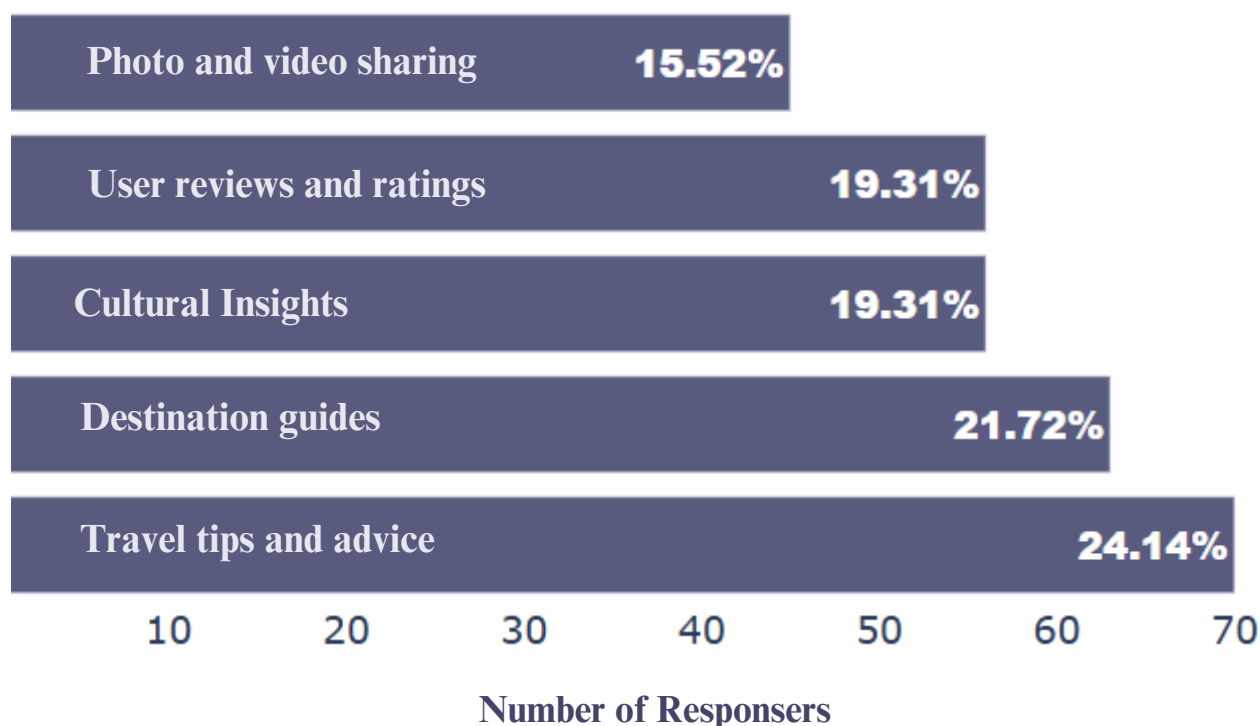




How Tourists are interested in experiencing and socializing with local people to learn about Egyptian traditions?

Responder opinion	Total	Percentage
Very interested – I'd love to socialize and immerse myself in local traditions.	47	57.32 %
Somewhat interested – I'd like a balanced mix of socializing and independent exploration.	26	31.71 %
Neutral – I'm open to either, depending on the experience.	09	10.98 %

Percentage of type of content that user would like to see in our new app





Extremely Interested



Very Interested



Not Interested

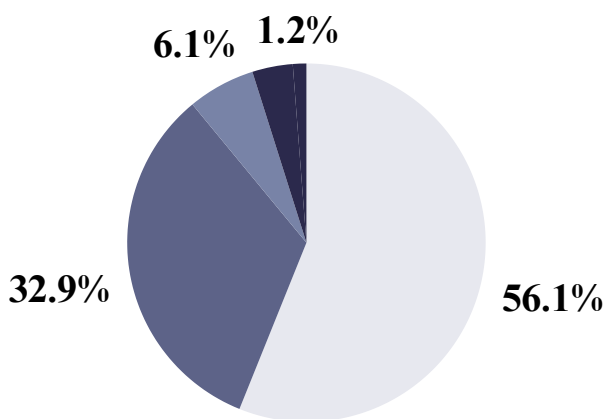


Moderately Interested

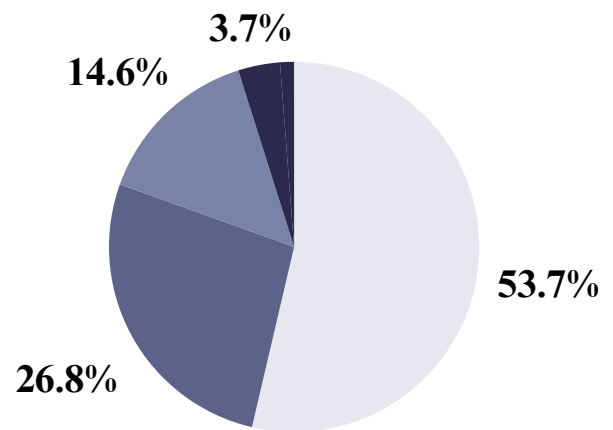


Slightly Interested

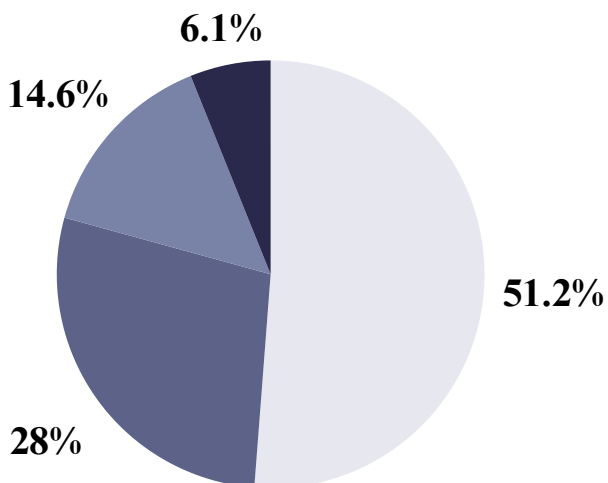
How Tourists interested about Historical and Cultural Activities in Egypt?



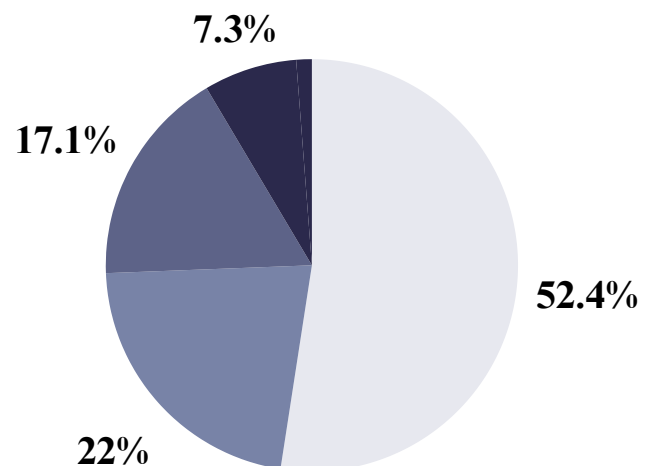
How Tourists interested about Adventure and Outdoor activities in Egypt?



How Tourists interested about Beach and Relaxation Activities in Egypt?



How Tourists Interested in Visiting Religious Sites in Egypt?





Discussion of Results.

- Most Tourists (Egyptian, Foreign) prefer winter or fall rather than any other season where 36.75 from the whole responders choose winter and 25.61 choose fall about 62.2% and 61.63 preferred cool & mild weather from persons who shared in our survey prefer specially that seasons so, it is recommended to add in our software most suitable activities, event, and sites to spend a good time at this time.
- About 40% from responders prefer to travel with their friend so, it will be good to our software to show activities, events suitable for spending a good time with their friends like Nile river cruise, spa and wellness retreats and attend a sound and light shows.
- About 95.1% From Responders Interested about exploring food and cuisine during Their travels so, it is good to our software to have curated lists that highlight popular restaurants, street food spots, and hidden gems in Egypt also it is good to add cuisines filter that allow users to filter by Egyptian dishes, international cuisines, or dietary preferences and to add dish Information that provide details about traditional Egyptian dishes including photos and history.
- About 32.2% from foreign tourist spend (\$50–\$100 per night) which is considered as Upper mid-range while 4.35% from Egyptians only spend upper mid-range and most of them spend Mid-range (\$20–\$50 per night) so, we can benefit from that for Egyptian Tourists by Localized Offers Unique amenities or experiences unavailable at budget options also applying dynamic recommendation pricing will be good to show best price to all different ranges .
- About 64.6% from foreign travelers like to know about the local laws and obligations and 28% from them say it based on the country so, adding a feature that show to the software user the local laws and obligations in the country will be a valuable feature to the software users
- About 57.32 % from people who shared in survey were very interested to know in experiencing and socializing with local people to learn about Egyptian traditions and 31 % were Somewhat interested so adding a feature that tell the tourist every thing he need to know will be good to the user.
- Egypt has a lot of religious sites but there are few people from who shared in the survey give an interest or attention to that as only 5.72% who was interested to visit Islamic Cairo and the second rate of strength of interesting to visit religious sites moderately Interested so, working on a feature that show religious sites in Egypt better may have a good impact on Egypt Economy .

