A close-up, low-angle shot of a person's thumb swiping right on a smartphone screen. The phone is held horizontally. The background is dark and out of focus, showing several bright, circular green lights that create a bokeh effect.

SWIPE RIGHT ON DATA: REIMAGINING DATING APPS FOR THE FUTURE

DASHIA PENNINGTON



STAKEHOLDERS DRIVING TRUST, SAFETY & GOVERNANCE

- **Primary:** Users (safety, emotional trust, harassment prevention, psychological well-being).
- **Secondary:** Dating platforms (retention, liability, accountability)
- **Regulatory:** General Data Protection Regulation (GDPR) and California Consumer Privacy Act (CCPA) data protection compliance.
- **Academic Research/Public:** Policy professionals, psychological and behavioral insights.

WHY ANALYZE DATING APP REVIEWS?

Problem Statement: What problems are users consistently experiencing across dating apps, and what underlying issues do these reviews reveal?

- Dating apps generate millions of users interactions and experiences every day, yet user repeatedly report the same problems.
- Users often express frustrations around matching quality, algorithm inconsistency, safety concerns, and bot/catfishing profiles.
- Reviews expose deeper issues with trust, governance, and platform accountability.
- Understanding these patterns allows platforms to improve user experience, safety, and retention.

Objective:

- Identify key themes and patterns across Tinder, Bumble, and Hinge.
- Compare dominant user frustrations and sentiment patterns.
- Use AWS tools to extract insights to create a visual workflow.

Key Insight: *The core issues aren't romantic instead they're structural. User frustration is a governance, safety, and data management issue disguised as "dating problems".*

Beware of scammers

★★★★★ Mon · cytisthebest

Unfortunately, while I've met a few nice people and in general enjoy this site, there are way too many scammers. It's discouraging because anyone with half a brain can pick them out.

It's alright

★★★★★ Mon · Stevie McKeef

I live in a large city with over 3 million people. Somehow it says there are no people around me. I have no filters set so I don't know where everyone is hiding.

Money hungry!

★★★★★ Mon · Zjnae

The people who made this app make it hard to find matches unless you pay but when you go to pay it's so expansive! \$70 for one month 30 for one week. Don't get it.

Kicks you off for no reason

★★★★★ Mon · Sarah4557

Worst app for dating. Kicked me off for no reason right after I signed up and paid. Has happened twice. Don't sign up happens to many people look at reviews

Be aware of scams

★★★★★ Mon · AppReviewer2270

6 years ago this app was awesome and safe. Now its full of scammers (girls), be aware guys. Once conversation starts , immediately they ask u for a snapchat, where they u know, do stuff and try to extort u or ask for money lol. Don't fall for that. This message is for US based app users. In Europe its much different. Better. Cant believe Tinder cant get hold of this, and make application safe to use. Want my money back.

Wow

★★★★★ Mon · Go no,!?,?

The girl I found was lesbian... im a guy

No one is real

★★★★★ Mon · Mister valerius

99% of the profiles on here are fake

So many bots...

★★★★★ Mon · mnrockclimber

Every third profile is a bot. They don't even try to hide it. They all follow the same basic formula so I don't know why Tinder doesn't weed them out. This is the worst dating app of them all.

Truly a sadistic and inhumane app and company

★★★★★ Mon · Hinge is sadistic

This company, The Match Group, with their extremely UNETHICAL AND INHUMANE banning policies, are going to create a Luigi Mangione copycat. Let me be clear, it is NOT going to be me, and I am praying that it will not happen, seriously. But this company is literally playing games with the most important aspect of people's lives.

You cannot have a worldwide monopoly in the online dating world and continue to permanently ban/permanently destroy people's lives, and expect to face no consequences. Are you serious? You are LITERALLY DESTROYING PEOPLES LIVES.

At a time when I need support, a time when I need love and companionship because I am struggling from a looming unavoidable death in the family, a time when I need love and companionship THE MOST,

But instead of being able to find it on Hinge or Tinder, they have permanently banned me instead.

This company does NOT care about people's mental health. They WILL permanently ban you and destroy your life.

EMERGING THEMES ACROSS DATING APP REVIEWS



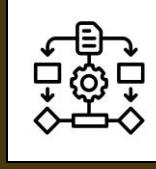
Scams & Fake Profiles

High volume of complaints about catfishing, bots, extortion, and fraudulent accounts.



Safety Concerns

Users express fear around harassment, stalking, and unsafe interactions.



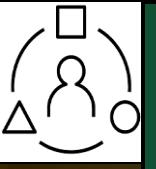
Algorithm Frustrations

Many users feel the matching system is inconsistent, biased, or ineffective.



Monetization Complaints

Strong opinions on expensive subscriptions, paywalls, and "money-hungry" features.



User Experience Failures

Reports on bans with no explanation, glitches, and poor customer support.



Psychological Fatigue

Burnout, overwhelm, and loss of confidence from repeated negative experiences.

PSYCHOLOGICAL IMPACT OF DATING APPS

Based on a Cyberpsychology article (Gae et al., 2024), compulsive dating-app use correlates with higher sadness, anxiety, and emotional instability due to inconsistent reinforcement cycles.

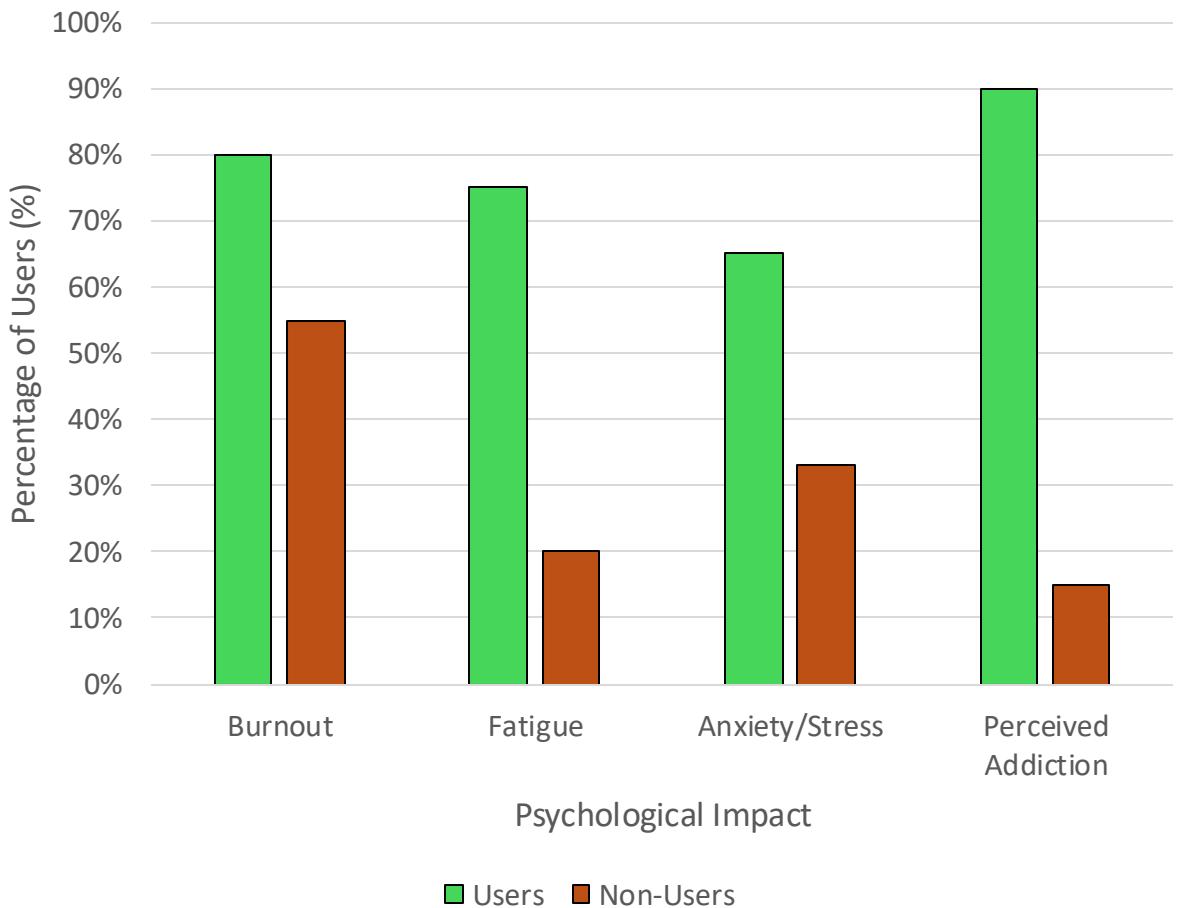
Based on a PubMed article (Huang et al., 2023), Dating-app users experience higher depression, stress and cyber-victimization compared to non-users.

Across both studies, repeated exposure to rejection, negative interactions, and high effort/low reward engagement contributes to significant psychological fatigue and emotional burnout.

MEASURED PSYCHOLOGICAL: IMPACT ACROSS USER REVIEWS

- Green bars show active dating-app users; orange bars show non-users (general population).
- Users report 2-4x higher levels of burnout, fatigue, anxiety, and compulsive behavior than non-users.
- Perceived addiction is almost exclusive to app users.
- The gap shows the stress is being created by how these platforms operate, not just by dating itself.
- This supports the idea that dating apps don't just reflect emotions but they actively shape and intensify them.

Psychological Impact of Dating Apps



The background features a dark, textured surface with several concentric, glowing blue circles of varying sizes. Interspersed among these circles are several small, semi-transparent blue spheres. The overall effect is futuristic and dynamic, suggesting a complex system or process.

FROM RAW DATA TO INSIGHTS

swipe-right-on-data

Summary

ARN: arn:aws:iam::288096952745:role/swipe-right-on-data

Last activity: 22 minutes ago

Permissions

Trust relationships

Tags

Last Accessed

Revoke sessions

Permissions policies (5)

You can attach up to 10 managed policies.

Policy name	Type	Attached entities
AmazonAthenaFullAccess	AWS managed	3
AmazonS3FullAccess	AWS managed	5
AWSGlueConsoleFullAccess	AWS managed	3
AWSGlueServiceRole	AWS managed	4
SwipeRightPolicy	Customer managed	1

Permissions boundary (not set)

Objects (6)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
glue-temp/	Folder	-	-	-
logs/	Folder	-	-	-
parquet/	Folder	-	-	-
processed/	Folder	-	-	-
raw/	Folder	-	-	-
Unsaved/	Folder	-	-	-

AWS IAM ROLE & S3 BUCKET SETUP



Created a custom IAM role with S3, Glue, and Athena permissions to support the entire ETL pipeline.



Set up my S3 bucket structure and added five folders needed for the project.



Configured a glue-temp and logs folder for crawlers, job outputs, and workflow tracking.



Raw folder stores all unprocessed dating app screenshots (Bumble, Hinge, Tinder)



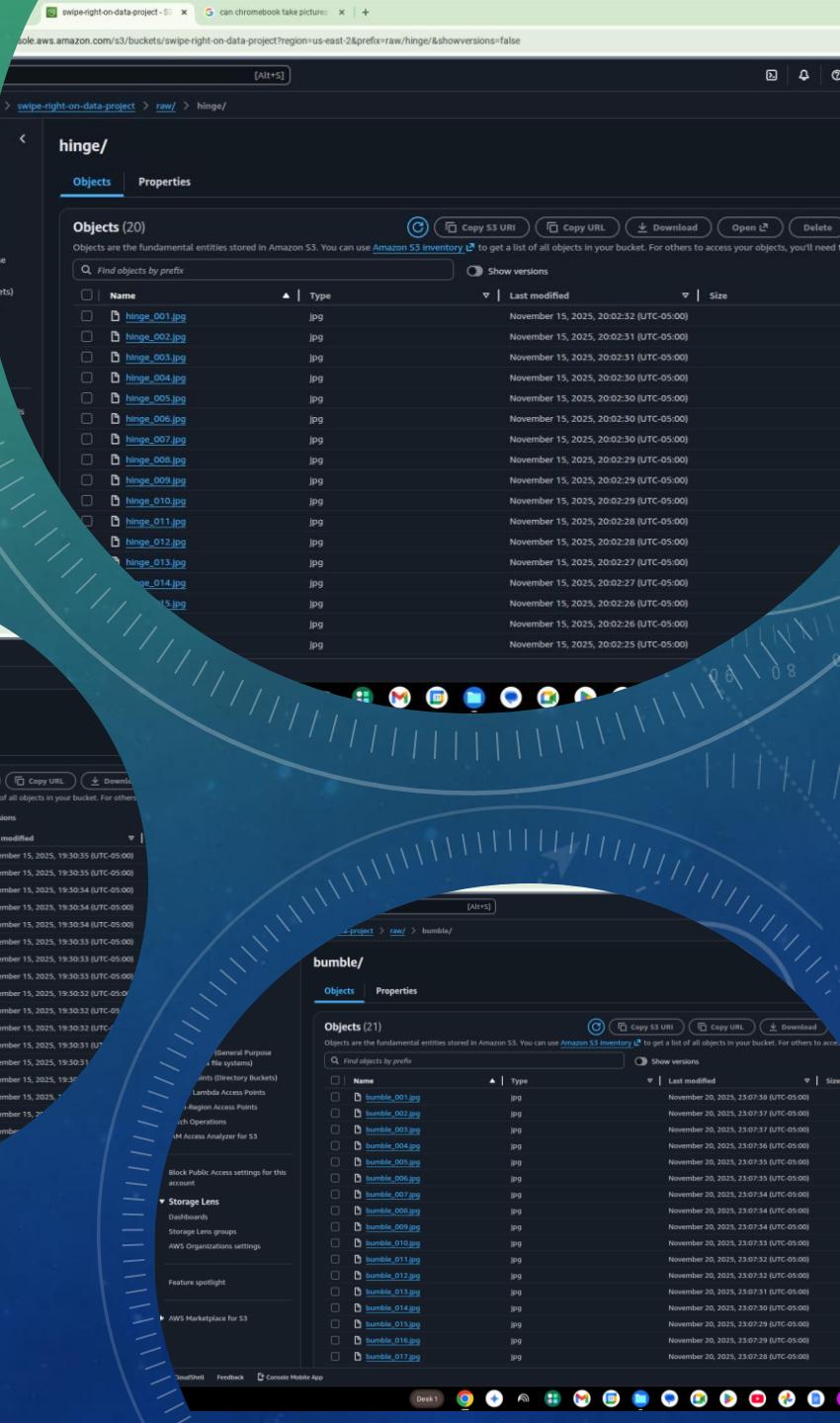
Processed folder stores the cleaned CSVs after Textract and conversion.

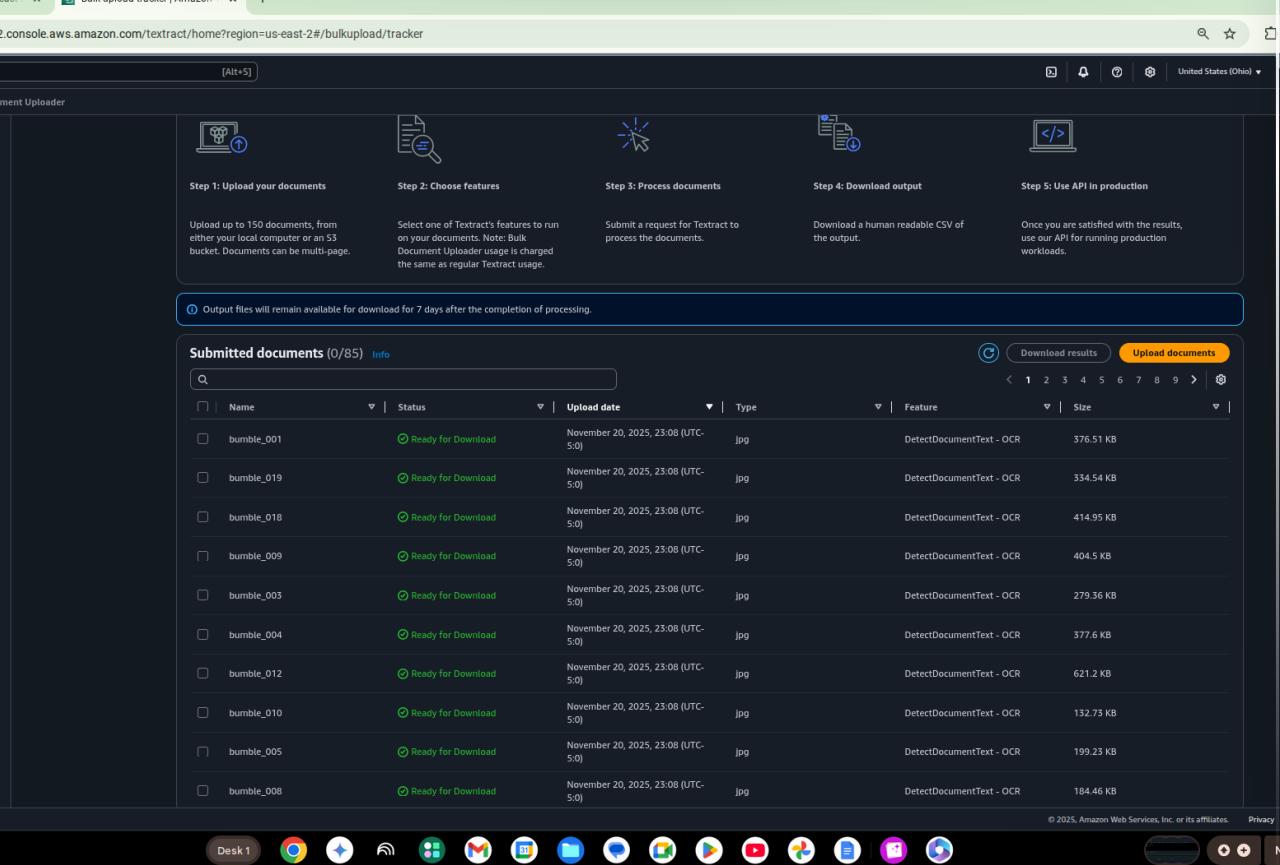
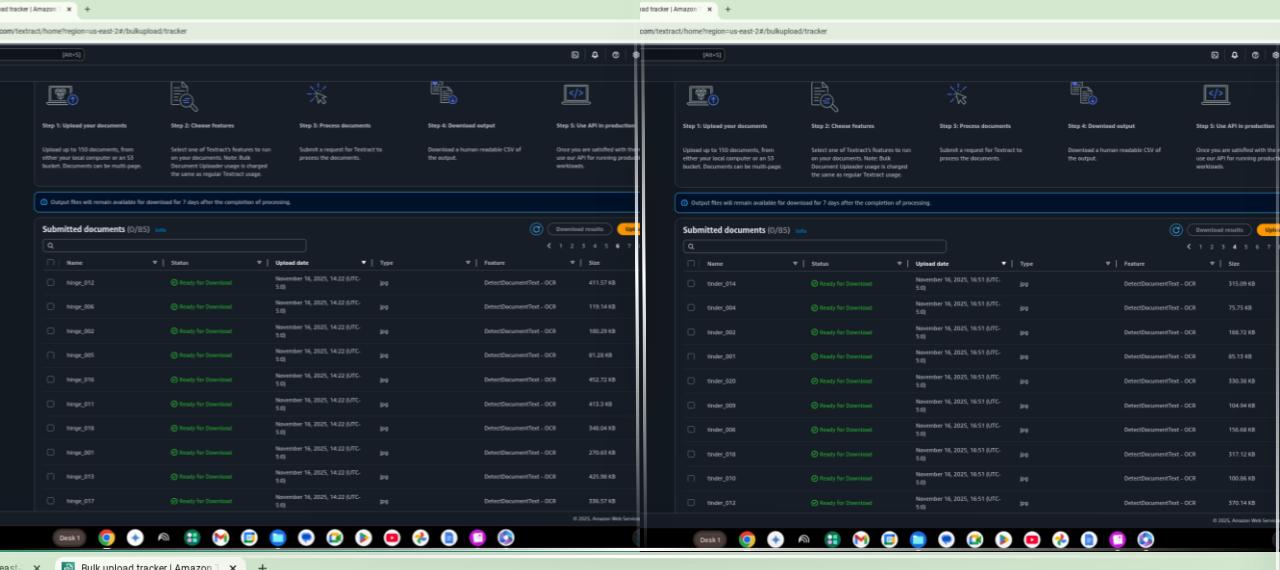


Stores optimized Parquet files generated for faster Athena queries and cleaner schema management.

UPLOADING RAW DATA TO S3

- Uploaded 63 raw screenshots from Bumble, Hinge, and Tinder into my S3 raw folder.
- Renamed each file for consistent formatting and easier processing in later steps.





CONVERTING RAW DATA INTO STRUCTURED CSV DATA

- **Batch processed all raw screenshots using Amazon Textract to extract text and convert image into CSV format.**
- **Reviewed Textract output to ensure clean extraction to text from each dating-app review.**
- **Moved all generation CSVs into the processed S3 folder for downstream Glue crawlers and schema detection.**

UPLOADING PROCESSED CSVS TO S3

The screenshot shows the AWS S3 console interface. The left sidebar shows the navigation path: Amazon S3 > Buckets > swipe-right-on-data-project > processed > bumble/. The main area displays a list of objects named 'bumble_processed_001.csv' through 'bumble_processed_021.csv'. Each file is a CSV type, last modified on November 21, 2025, at various times between 17:02:05 and 17:16:16 UTC-05:00, with sizes ranging from 315.0 B to 1.6 KB, all stored in the Standard storage class.

This screenshot shows two separate views of the AWS S3 console. The top view shows the 'hinge/' folder with 20 processed CSV files, and the bottom view shows the 'tinder/' folder with 22 processed CSV files. Both sets of files follow a similar naming convention (e.g., hinge_processed_001.csv, hinge_processed_002.csv, etc.) and exhibit the same timestamp and storage characteristics as the 'bumble' folder.

- **Uploaded all Amazon Textract generated CSVs into the S3 processed folder for the next stage of the pipeline.**
- **Renamed each CSV file to match a consistent format for easier schema detection and table generation in AWS Glue.**

Announcing new optimization features for Apache Iceberg tables
Optimize storage for Apache Iceberg tables with automatic snapshot retention and orphan file deletion. [Learn more](#)

swipe_right_on_data

Database properties

Name: swipe_right_on_data

Description:

Location: s3://swipe-right-on-data-project

Tables (8)

View and manage all available tables.

Filter tables

Name	Database	Location	Classification	Deprecated
bumble_processed	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-
bumble_processedbumble	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-
dating_app_combined_data	swipe_right_on_data	s3://swipe-right-on-data-project/prc	Parquet	-
hinge_processed	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-
hinge_processedhinge	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-
parquet	swipe_right_on_data	s3://swipe-right-on-data-project/prc	Parquet	-
tinder_processed	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-
tinder_processedtinder	swipe_right_on_data	s3://swipe-right-on-data-project/prc	CSV	-

Crawlers (4) [Info](#)

A crawler connects to a data store, progresses through a prioritized list of classifiers to determine the schema for your data, and then creates metadata tables in your data catalog.

Name	State	Schedule	Last run	Last run timestamp	Action
bumble-crawler	Ready		Succeeded	November 21, 2025 at 06:24:02	View log
hinge-crawler	Ready		Succeeded	November 16, 2025 at 21:31:42	View log
parquet-crawler	Ready		Succeeded	November 21, 2025 at 11:40:36	View log
tinder-crawler	Ready		Succeeded	November 17, 2025 at 02:55:58	View log

AWS GLUE

- Created an AWS Glue database to organize all structured outputs from Textract and file conversions.
- Configured raw and processed crawlers to automatically detect schema, data types, and file structure.
- Ran both crawlers successfully, generating tables in Athena.

AWS Glue < hinge_processedhinge

Table details

Name	hinge_processedhinge	Classification	CSV
Database	swipe_right_on_data	Location	s3://swipe-right-on-data-project/processed/hinge/
Description	-	Connection	-
Last updated	November 16, 2025 at 21:32:24	Column statistics	
No statistics			

Advanced properties

Schema (4)

#	Column name	Data type	Partition key	Comment
1	page number	bigint	-	-
2	type	string	-	-
3	text	string	-	-
4	confidence score % (line)	double	-	-

AWS Glue < tinder_processedtinder

Table details

Name	tinder_processedtinder	Classification	CSV
Database	swipe_right_on_data	Location	s3://swipe-right-on-data-project/processed/tinder/
Description	-	Connection	-
Last updated	November 17, 2025 at 02:56:58	Column statistics	
No statistics			

Advanced properties

Schema (4)

#	Column name	Data type	Partition key	Comment
1	page number	bigint	-	-
2	type	string	-	-
3	text	string	-	-
4	confidence score % (line)	double	-	-

AWS Glue < bumble_processedbumble

Table details

Name	bumble_processedbumble	Classification	CSV
Database	swipe_right_on_data	Location	s3://swipe-right-on-data-project/processed/bumble/
Description	-	Connection	-
Last updated	November 21, 2025 at 06:24:45	Column statistics	
No statistics			

Advanced properties

Schema (4)

#	Column name	Data type	Partition key	Comment
1	page number	bigint	-	-
2	type	string	-	-
3	text	string	-	-
4	confidence score % (line)	double	-	-

Raw Schema: AWS Glue Pre-Transformation View

- **Source: Amazon Textract output converted to structured CSV files.**
- **Detection: AWS Glue Crawlers auto-identified columns and data types.**
- **Validation: Schema verified prior to Athena query execution.**

ATHENA QUERY EXECUTION RESULTS

The screenshot shows the AWS Athena Query Editor interface. On the left, the sidebar displays the Data source (AwsDataCatalog), Catalog (None), and Database (swipe_right_on_data). The Tables section lists several tables: bumble_processed, bumble_processedbumble, dating_app_combined_data, hinge_processed, hinge_processedhinge, parquet, tinder_processed, and tinder_processedtinder. The Views section is empty. The main area shows a query editor with the following SQL code:

```
1 SELECT * FROM "swipe_right_on_data"."hinge_processedhinge" limit 300;
```

Below the query editor are buttons for Run again, Explain, Cancel, Clear, and Create. The Query results tab is selected, showing the results of the completed query. The results table has columns: #, page number, type, text, and confidence score % (line). The results are as follows:

#	page number	type	text	confidence score % (line)
1	1	LINE	I met HIM	97.53341675
2	1	LINE	Mon Ajee M	99.62352916
3	1	LINE	I never thought I would meet someone who was	95.34793091
4	1	LINE	simply created with me in mind until I met him.	97.52516117
5	1	LINE	Thanks hinge!	99.98535156
6	1	LINE	updated review	99.98535156
7	1	LINE	Mon taybo98	99.6794281
8	1	LINE	I really didn't believe all the bad reviews saying	98.45353699
9	1	LINE	hinge banned them for no reason until it happened	99.97703552
10	1	LINE	to me. I was banned for absolutely no reason but	99.02078247
11	1	INF	thankfully hinge was responsive & announced my	99.93827057

The screenshot shows two separate sessions of the AWS Athena Query Editor. The top session shows the results of a query on the tinder_processed table:

```
1 SELECT * FROM "swipe_right_on_data"."tinder_processed" limit 300;
```

The bottom session shows the results of a query on the bumble_processedbumble table:

```
1 SELECT * FROM "swipe_right_on_data"."bumble_processedbumble" limit 300;
```

In both sessions, the Query results tab is selected, displaying the results of the completed queries. The results tables have columns: #, page number, type, and text.

- Executed SQL queries to validate that all Glue-generated tables were readable and properly structured.
- Verified schema accuracy for raw, processed, and Textract tables (data types, column counts, and formatting).
- Confirmed successful query execution across all tables, ensuring the data was ready for analysis and visualization.
- Checked row counts and sample outputs to confirm each dataset aligned with expectations.

Google Chrome tab: can chromebook take pictures

Visual - Editor - AWS Glue Studio tab: d982e275012e12d23d5/MyFiles/Downloads/Visual%20-%20Editor%20-%20AWS%20Glue%20Studio.mhtml

Amazon CloudWatch Metrics tab: console.aws.amazon.com/gluestudio/home?region=us-east-2#/editor/job/Swipe%20Right%20On%20Data/runs

The screenshot shows the AWS Glue Studio interface for creating ETL jobs. On the left, the visual editor displays a data flow graph with nodes for data sources, transforms, and a target. The data flow starts with three S3 buckets: Bumble S3, Hinge S3, and Tinder S3. These feed into two 'Transform - Change Schema' nodes. The outputs of these schema-changed datasets are joined via 'Transform - Join Outer Join' nodes. Finally, the joined data is written to a 'Data target - S3 bucket' named 'joined_dating_output'. The graph includes various icons for data types like integers, strings, and booleans.

The right side of the screen shows the 'Runs' tab for the job 'Swipe Right On Data'. It lists four job runs:

Run status	Retries	Start time (Local)	End time (Local)	Duration
Succeeded	0	11/21/2025 03:03:19	11/21/2025 03:04:28	1 m 3 s
Succeeded	0	11/21/2025 02:28:22	11/21/2025 02:29:38	1 m 9 s
Failed	0	11/21/2025 02:24:46	11/21/2025 02:25:45	52 s
Failed	0	11/21/2025 02:19:05	11/21/2025 02:20:05	52 s

The 'Run details' section provides specific information about the most recent run:

Job name	Start time (Local)	Glue version
Swipe Right On Data	11/21/2025 03:03:19	5.0
Id	jr_a7033562e740b8e0e95b4e8c3a5c7d6d42f72df5bf2ae9920b3bf25b6e2346	Worker type
Run status	Succeeded	Glue version
Retry attempt number	0	5.0
Initial run	Start-up time	Worker type
Trigger name	6 seconds	G.1X
	Execution time	Max capacity
	1 minute 3 seconds	10 DPU
	Security configuration	Execution class
		Standard
		Cloudwatch logs
		• Output logs ↗
		• Error logs ↗

At the bottom, the system tray shows various application icons including Google Chrome, File Explorer, and other productivity tools.

ATHENA TABLE CREATION & JOINING PROCESSED DATA

The screenshot shows the AWS console with the Query editor open. The interface includes a sidebar with various datasets and a main area for writing and executing SQL queries. The current query is:

```
1 SELECT source_app, COUNT(*) AS review_count
2 FROM "swipe_right_on_data"."parquet"
3 GROUP BY source_app
4 ORDER BY review_count DESC;
```

The results table shows two rows:

source_app	review_count
LINE	164835
2	341

The screenshot shows the AWS console with the Query editor open. The interface includes a sidebar with various datasets and a main area for writing and executing SQL queries. The current query is:

```
1 SELECT
2     source_app,
3     AVG(confidence) AS avg_confidence,
4     COUNT(*) AS review_count,
5     MAX("review_text") AS longest_review
6     FROM "swipe_right_on_data"."parquet"
7     GROUP BY source_app
8     ORDER BY avg_confidence DESC;
```

The results table shows two rows:

source_app	avg_confidence	review_count	longest_review
LINE	97.9	164835	25.73071512070125
2	341	341	55

- Queried the final joined output created from the Glue ETL workflow to confirm all three apps (Tinder, Bumble, Hinge) are successfully merged.
- Verified that the unified table loaded correctly in Athena, with consistent column names, data types, and row alignment.
- Ensured the combined dataset was ready for analysis, keyword extraction, and further data visualization steps.

Query editor | Athena | us-east-2 | Query editor | Athena | us-east-2 | us-east-2.console.aws.amazon.com/athena/home?region=us-east-2#/query-editor/history/40e9f308-afe8-45ed-9a1c-f9e70843ff01

Account ID: 2880-9693-2745 | DashPenington | United States (Ohio) | +

Amazon Athena > Query editor

Data source: AwsDataCatalog

Catalog: None

Database: swipe_right_on_data

Tables and views:

- Tables (8)
 - bumble_processed
 - bumble_processedbumble
 - dating_app_combined_data
 - hinge_processed
 - hinge_processedhinge
 - page number
 - type
 - text
 - confidence score % (line)
 - parquet
 - page_number_tinder
 - source_app
 - review_text
 - confidence
 - page_number_bumble
 - page_number_hinge
 - tinder_processed
 - tinder_processedtinder
- Views (0)

SQL: SELECT * FROM "swipe_right_on_data"."parquet" limit 10;

Ln 1, Col 1

Run again Explain Cancel Clear Create Reuse query results up to 60 minutes ago

Query results: Completed Time in queue: 94 ms Run time: 350 ms Data scanned: 3.82 KB

Results (10)

#	page_number_tinder	source_app	review_text	confidence	page_number_bumble	page_number_hinge
1		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
2		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
3		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
4		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
5		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
6		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
7		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
8		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
9		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1
10		LINE	6:59 AM 11/7/25 1.4K Views	99.47855377	1	1

CloudShell Feedback Console Mobile App © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Desk 1 Nov 21 5:20

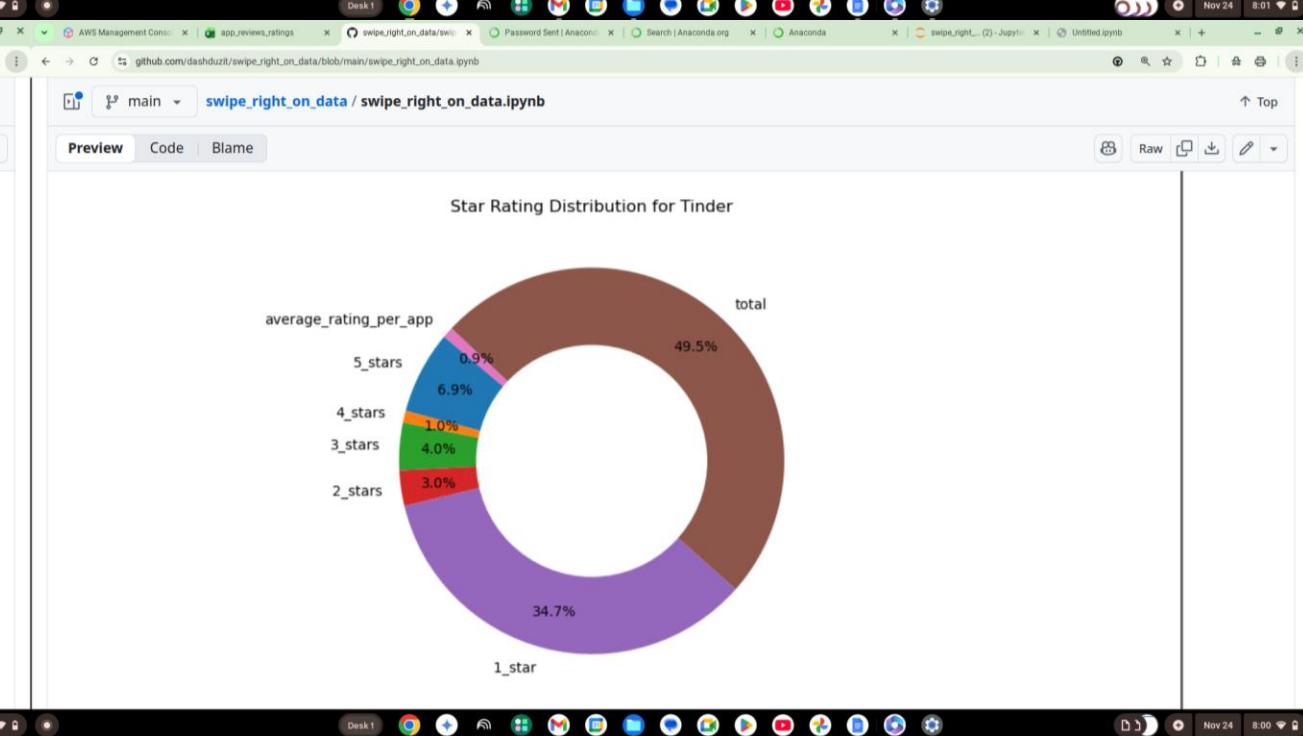
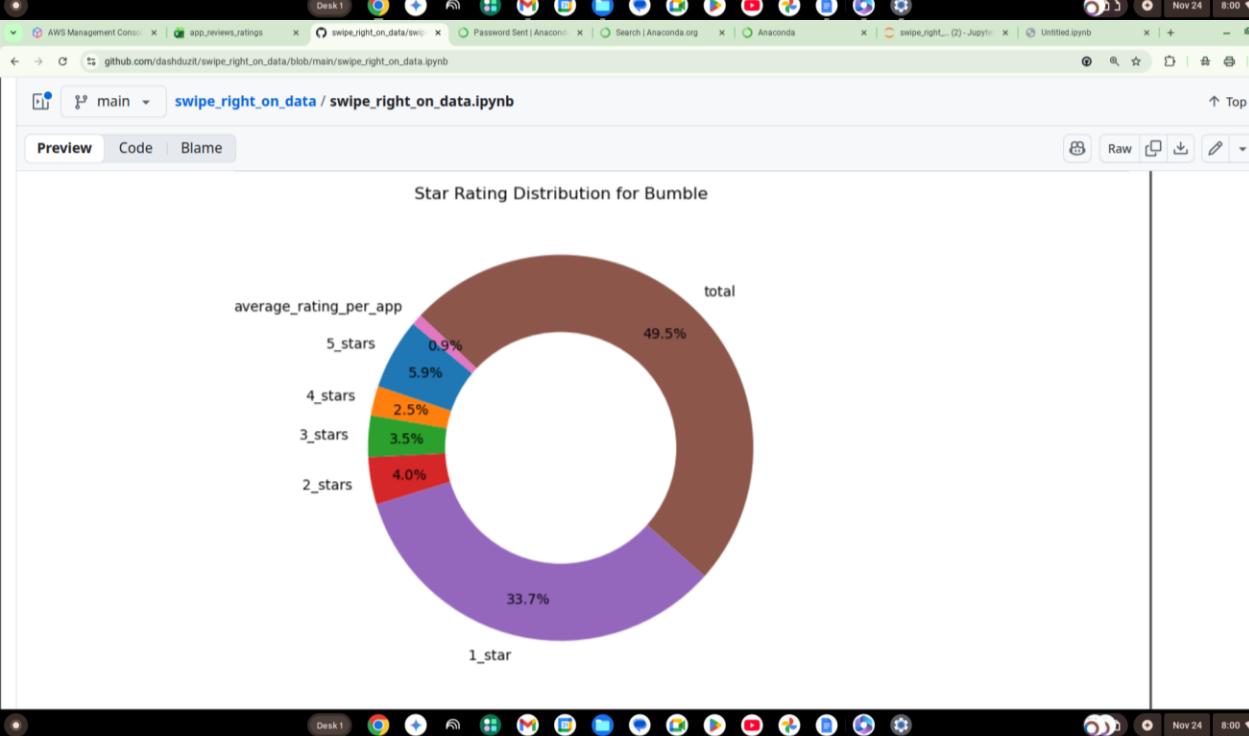
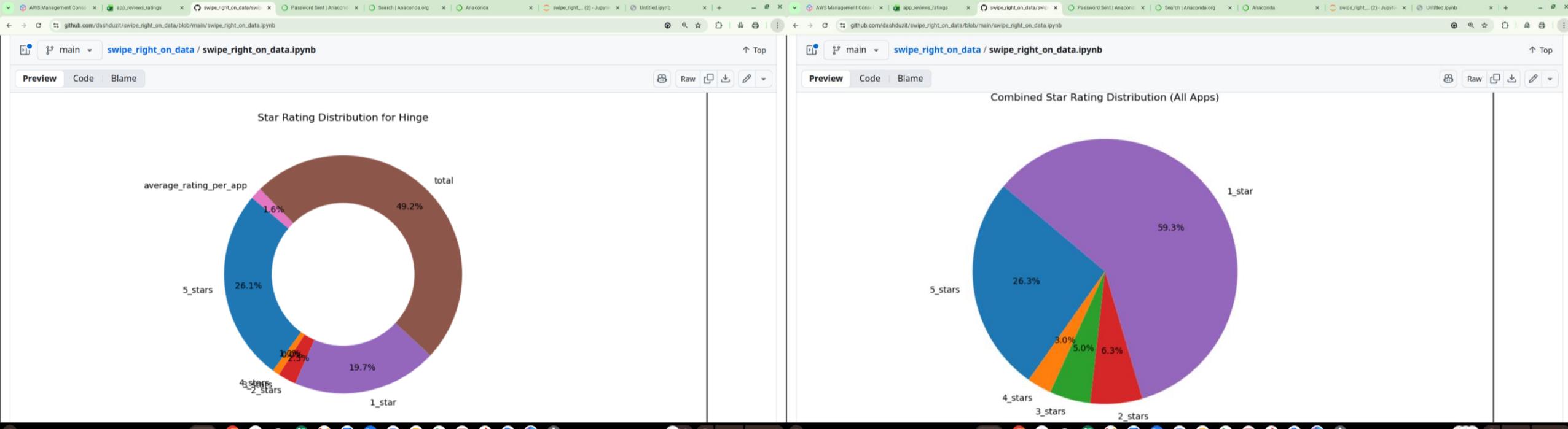
ATHENA: VALIDATION & INTEGRATION

- Executed SQL queries in Amazon Athena to validate all AWS Glue generated schemas, confirming column detection, data types, and processed tables for analysis.
- Performed multi-table JOINs to integrate Tinder, Bumble, and Hinge into one unified dataset.
- Verified data volume using **COUNT queries**, confirming a **total of 164K+ reviews**.
- Ran aggregation queries to compute star ratings and review metrics for visualization and comparative analysis.
- **Confirmed successful query execution**, performance, and stability across multiple runs with consistent results returned and no schema or permission errors.

A photograph of a man in a dark suit and tie looking directly at the camera with a neutral to slightly disappointed expression. He is positioned in front of a group of people whose faces are mostly obscured, but their hands are visible, each holding up a large amount of US dollar bills. The scene is overlaid with a grid of concentric circles and numbers ranging from 100 to 260, suggesting a ranking or score. The overall mood is one of disappointment or frustration.

**RANKING THE DATING APPS BY
AVERAGE DISAPPOINTMENT**

(BASED ON ACTUAL USER SUFFERING)

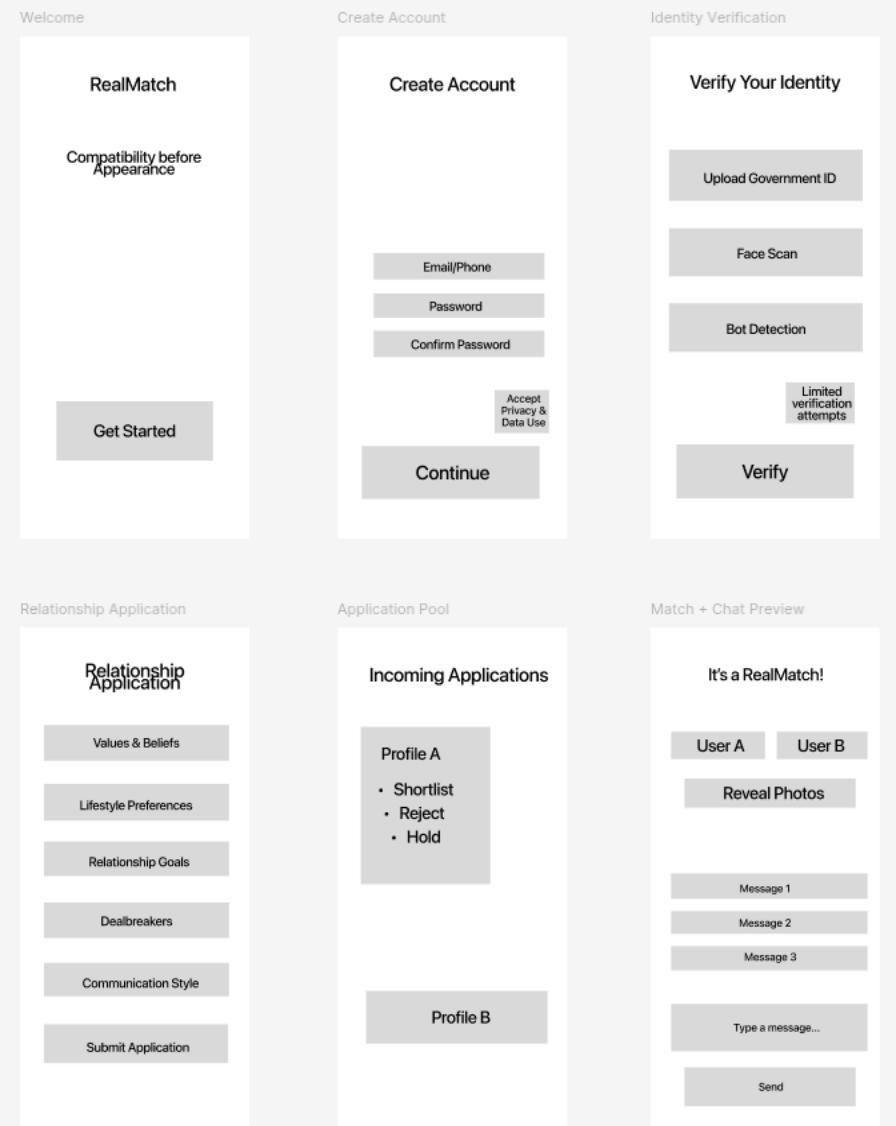
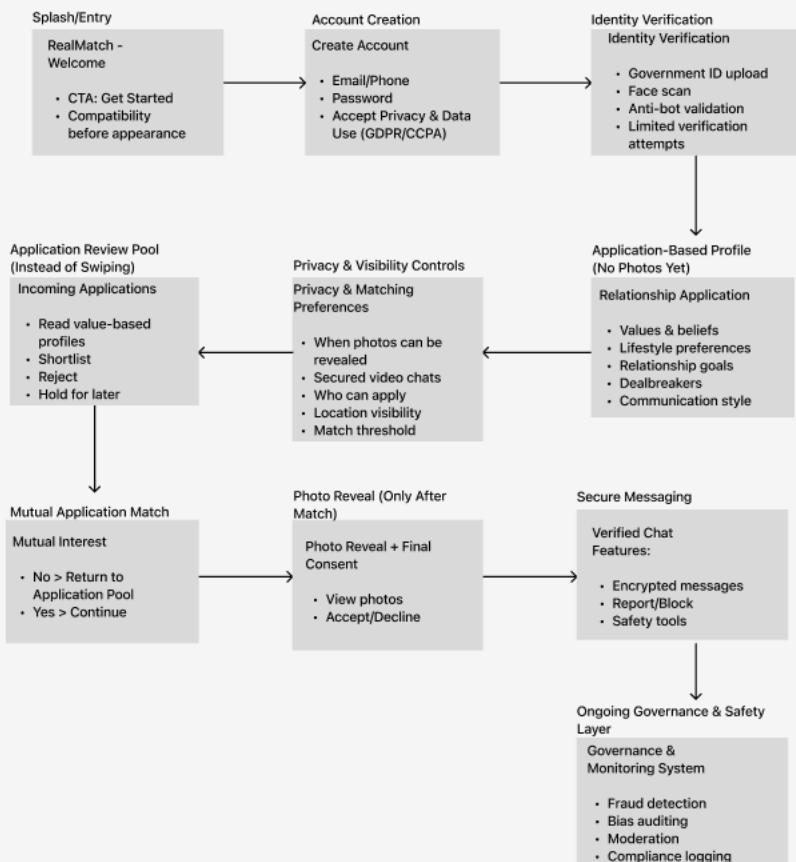


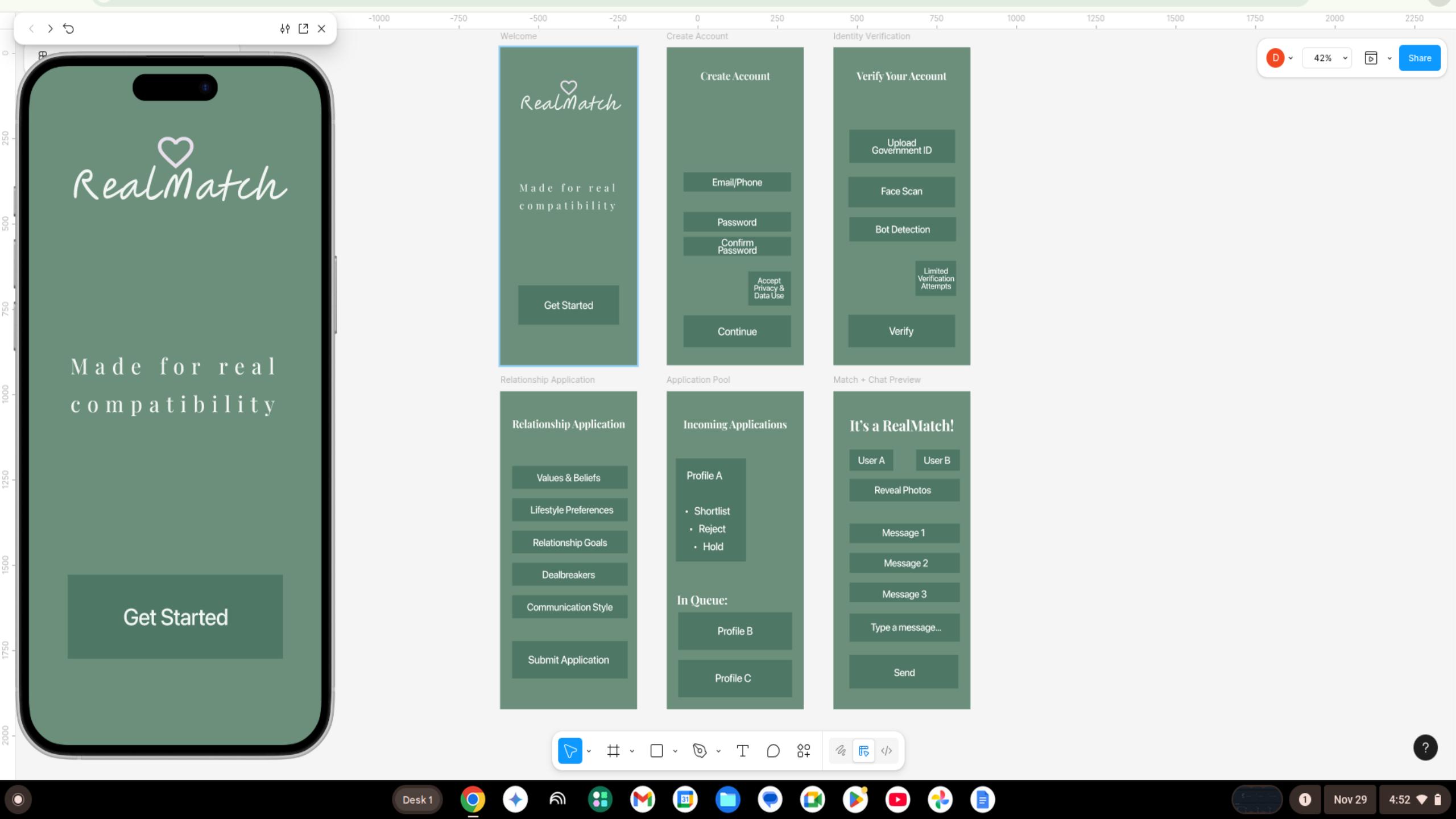


PROPOSED SOLUTION

REALMATCH: REDESIGNING DATING THROUGH TRUST

- **User-Centered Design:** Built from real user frustrations across Tinder, Bumble, and Hinge.
- **Job-Application Matching Model:** Encourages intentional selection and reduces impulsive swiping.
- **Identity Verification:** Double authentication to minimize bots and catfishing.
- **Safety & Governance Focus:** Addresses misrepresentations, harassment, and platform trust gaps.
- **Secure Messaging, Private Sharing & Encrypted Media:** Protects user privacy and prevents content misuse with safer and controlled communication aligned with data protection standards.





DATING APPS VS. REALMATCH: KEY COMPARISONS AND INSIGHTS



MATCHING
PROCESS: TRADITIONAL APPS
RELY ON SWIPE-BASED
MATCHING → REALMATCH
USES A JOB-APPLICATION
STYLE MATCHING MODEL TO
PROMOTE FAIRNESS AND BIAS
ALGORITHMS.



SAFETY & AUTHENTICATION:
OTHER APPS HAVE LIMITED
VERIFICATION WHICH CAN BE
ABUSED BY BOTS, SCAMMERS,
AND CATFISHING →
REALMATCH USES DOUBLE
AUTHENTICATION TO
PROMOTE AUTHENTICITY.



GOVERNANCE & COMPLIANCE:
EXISTING PLATFORMS SHOW
INCONSISTENT ENFORCEMENT
→ REALMATCH IS BUILT GDPR
& CCPA FIRST TO PROMOTE
SAFETY AND TRUST.



MONETIZATION STRUCTURE:
PAYWALLS, BOOSTS,
MICROTRANSACTIONS WHICH
CAN BE HARMFUL AND
PREDATORY → REALMATCH
USES A MONTHLY
SUBSCRIPTION FEE (\$19.99).



USER EXPERIENCE IMPACT:
CURRENT APPS INCREASE
BURNOUT AND SUPERFICIAL
FILTERING → REALMATCH IS
SELF-PACED AND TRUST-
CENTERED TO BUILD
CONFIDENCE AND HEALTHIER
ENGAGEMENT.

CONCLUSION

- Analyzed real user review data to expose systemic safety, trust, and governance failures.
- Built a full AWS data pipeline from raw extraction to Athena query analysis.
- Identified recurring themes of fraud, burnout, monetization abuse, and algorithm distrust.
- Proposed RealMatch as a governance-first, safety-centered alternative.

The problem was never dating – it was the data systems behind it.

DATA SOURCES AND ACKNOWLEDGMENTS

Data Sources

- App Store Reviews on Bumble, Hinge, Tinder
- X (formerly known as Twitter)
- Figma <https://www.figma.com/design/jgs9WRLifCjAirgZASRbyn/RealMatch-Prototype?node-id=3-447&t=Eh8Pmge4wwPr8vK9-1>
- Gao, H., Yin, H., Zheng, Z., & Wang, H. (2024). Online dating apps and the association with emotional reactions: A survey on the motivations, compulsive use, and subjective online success of Chinese young adults in online dating. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 18(3), Article 3. <https://cyberpsychology.eu/article/view/35713>
- Huang, T. F., Chou, Y. T., Chan, C. H., & Chiu, Y. C. (2023). Adolescent use of dating applications and the associations with online victimization and psychological distress. *Journal of Adolescence*. <https://pubmed.ncbi.nlm.nih.gov/37998650/>

Acknowledgments