

$E_Q R^C$



Stable

Match

Dariush Sedigh
Babak Mahdavi-Damghani

7 April 2026

“
If we don't have kids,
there will be no one left
to be in the workforce,
and our civilization will
die.

—Elon Musk



“
America's public
policy should make it
easier for families who
want children to have
them.

— Donald J. Trump (USA)



“
Europe faces low birth
rates and aging
populations, and the
demographics are
becoming a growing
challenge.

— Nick Clegg (United Kingdom)



“
France needs a form of
demographic
rearmament to revive
the birth rate.

— Emmanuel Macron (France)



CONFLICTING CULTURES BUT ONE COLLECTIVE GOAL

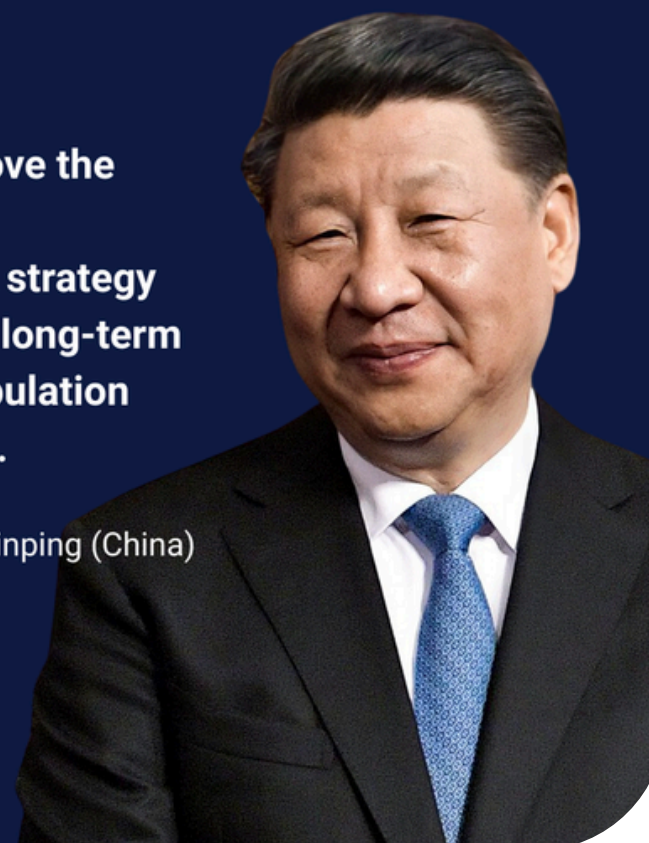
“
Japan must promote
broad measures against
population decline so
people can continue
living in the region of
their choice.

— Sanae Takaichi (Japan)



“
We will improve the
population
development strategy
and promote long-term
balanced population
development.

— Xi Jinping (China)



“
If existing trends continue,
Russia's present
population of about 143
million will plunge to
about 107 million people
by 2050.

—Vladimir Putin (Russia)

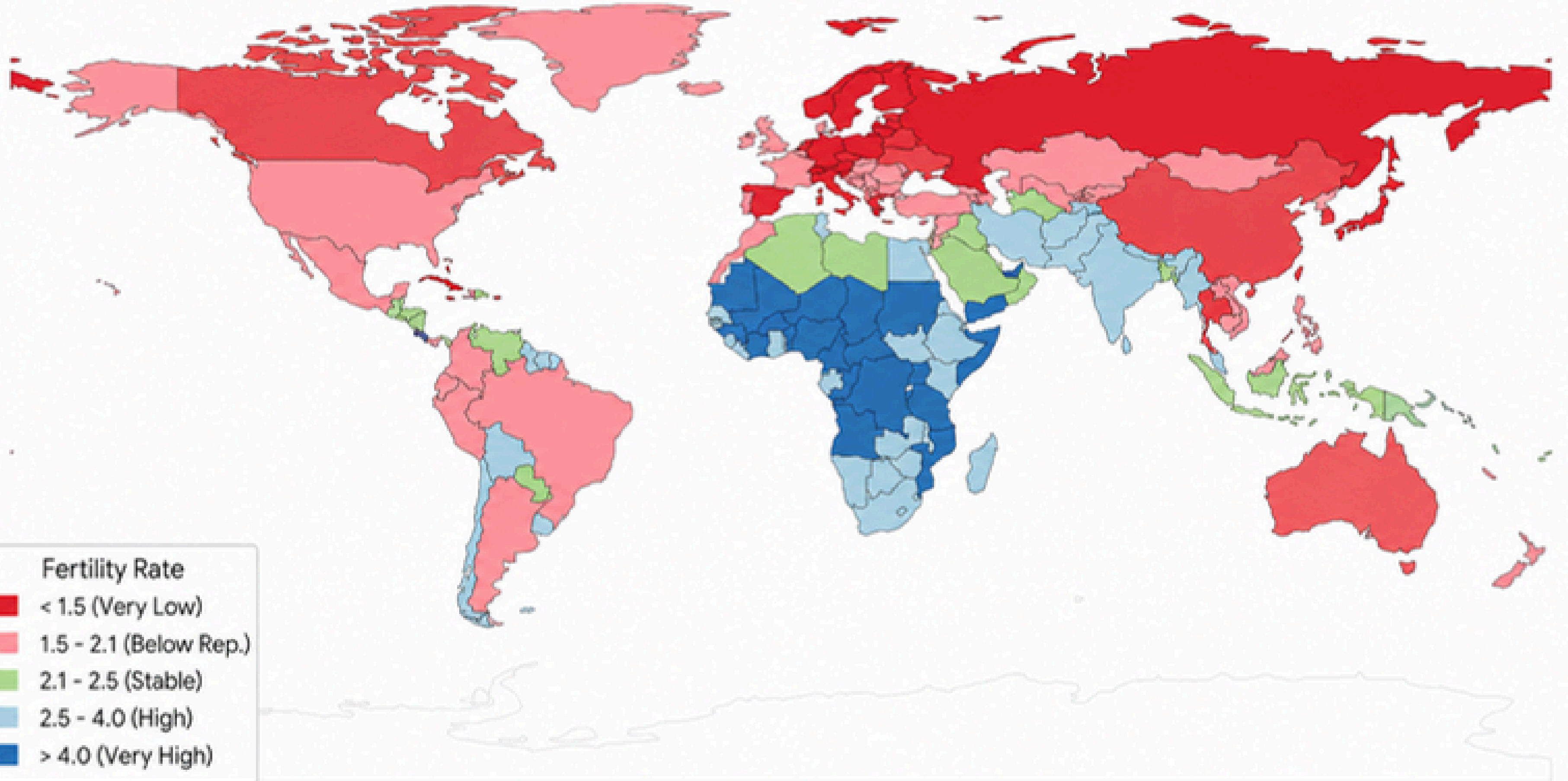


“
Iran's past population-
control approach was a
mistake, and the country
should return to
population growth.

— Ayatollah Ali Khamenei (Iran)

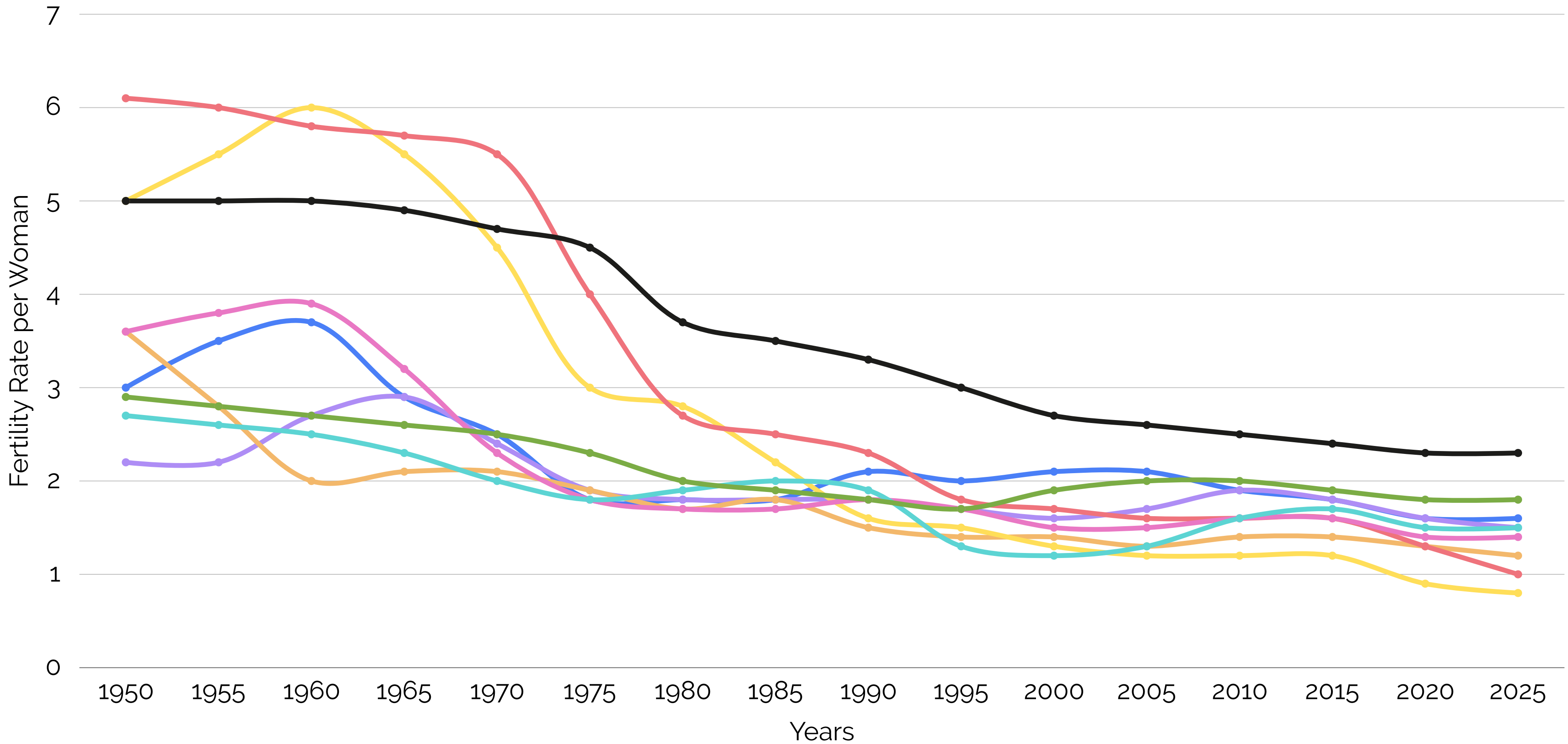


Global Fertility Rates 2025 (UN)



Fertility Rates 1950 - 2025

USA UK Japan South Korea China Canada Russia France World



Why people have less kids?

Delayed Family Formation & Lack of Guidance



- Weakening communities
- More relocation
- Less social guidance & delayed commitment
- Too many choices & fatigue
- Frankfurt School destroyed patriarchy: links to Fascism

Toxic Modern Dating Culture & Lack of Integrity



- Casual dating culture
- Lack of Integrity
- Financial incentives towards promiscuity instead of loyalty
- Clouscard theory: capitalism adopts libertarian ideas for more market control

Economic Pressure and Capitalism



- Rising living costs
- Rise of 1 person homes
- Financial insecurity
- Career-first lifestyles
- Delayed family planning
- Education is expensive & takes longer

Family Support Becomes Monetized



- Expensive childcare
- Expensive eldercare
- Neoliberal feminism impoverished family unit
- Less time for family life
- Increased transactions
- High nurses salary

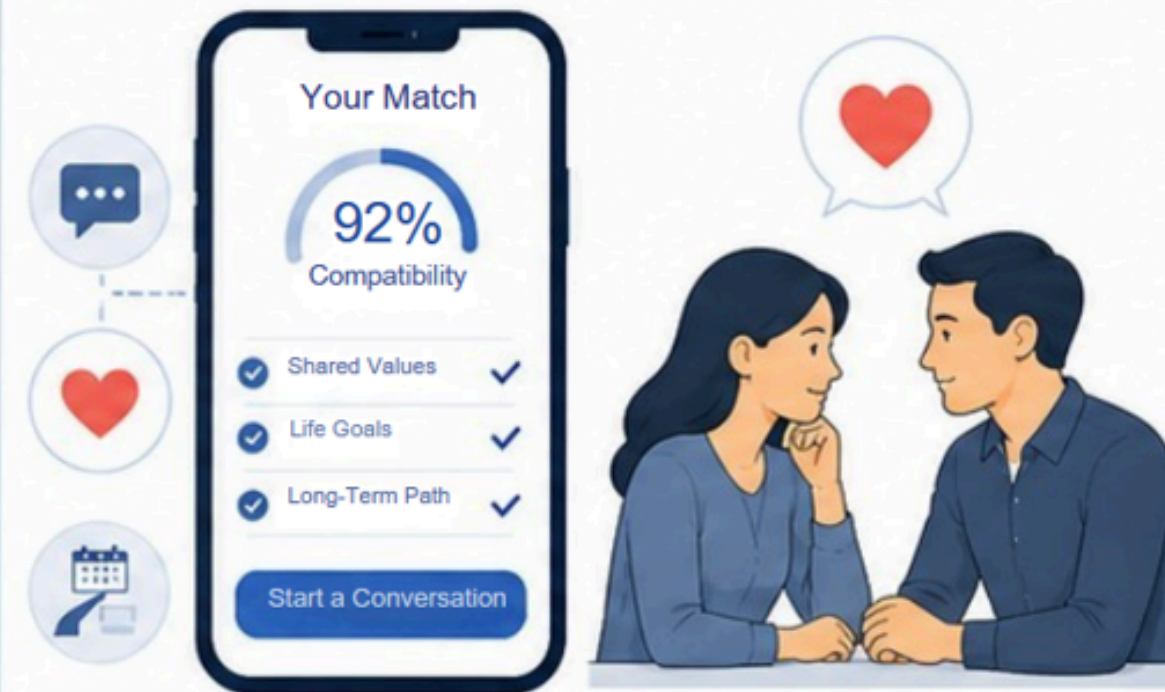
The Solution: Stable Match

AI Creates the Community



- AI restored social coordination
- Users enjoys tribe like benefits without its drawbacks
- Wholistic guidance improves decision making
- Independence with stronger support

Freedom With Better Matching



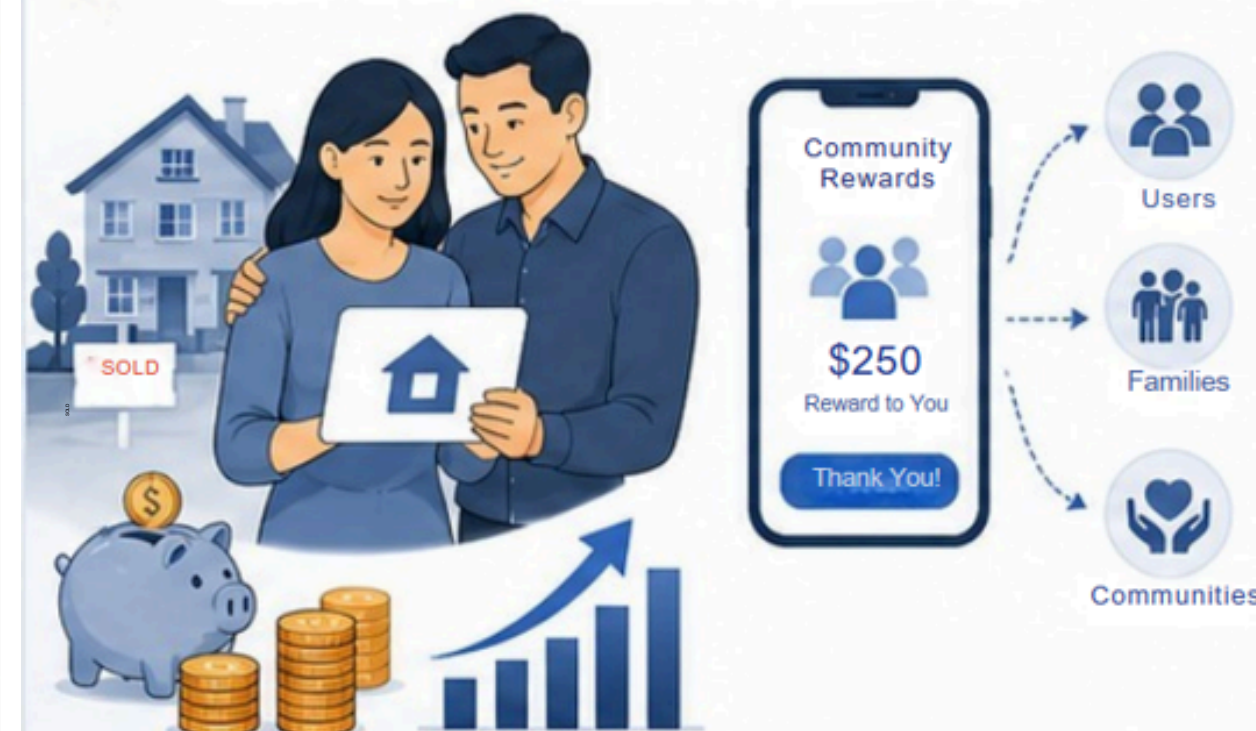
- Users still choose freely
- Matching focuses on realistic optimal outcomes
- Healthy breakups remain acceptable
- Longer term matching is faster and mutually beneficial

Dignity, Values and Fairness

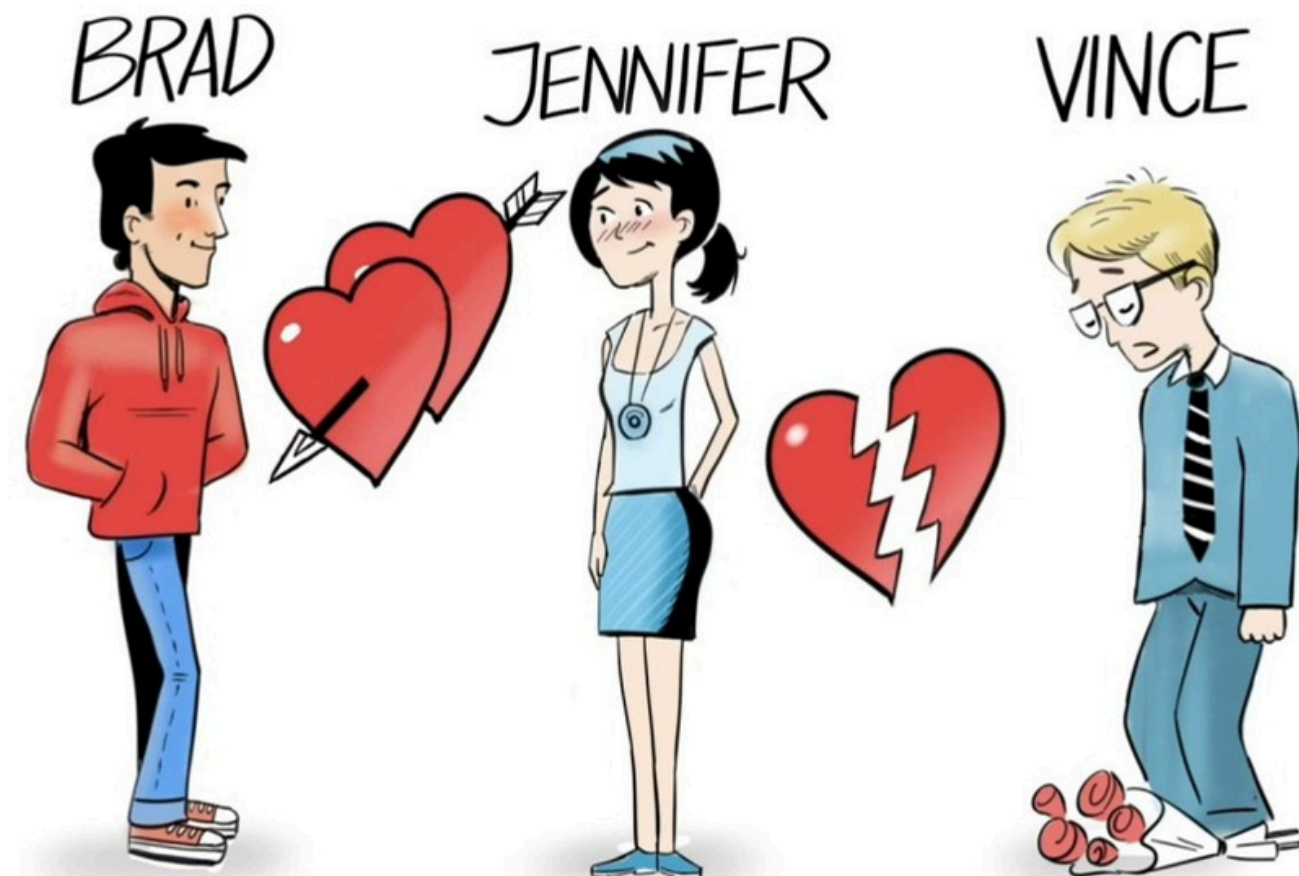
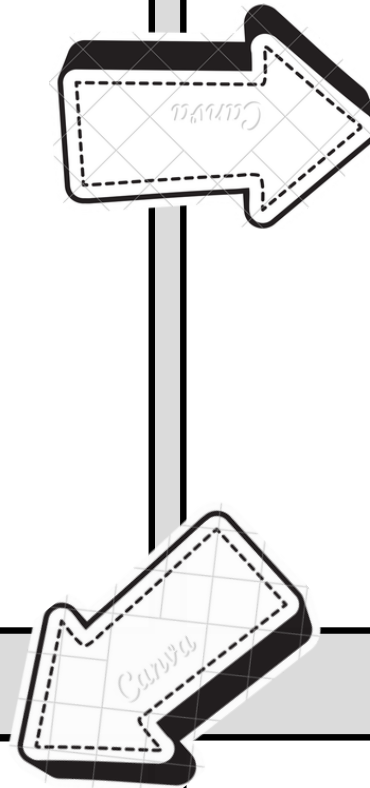
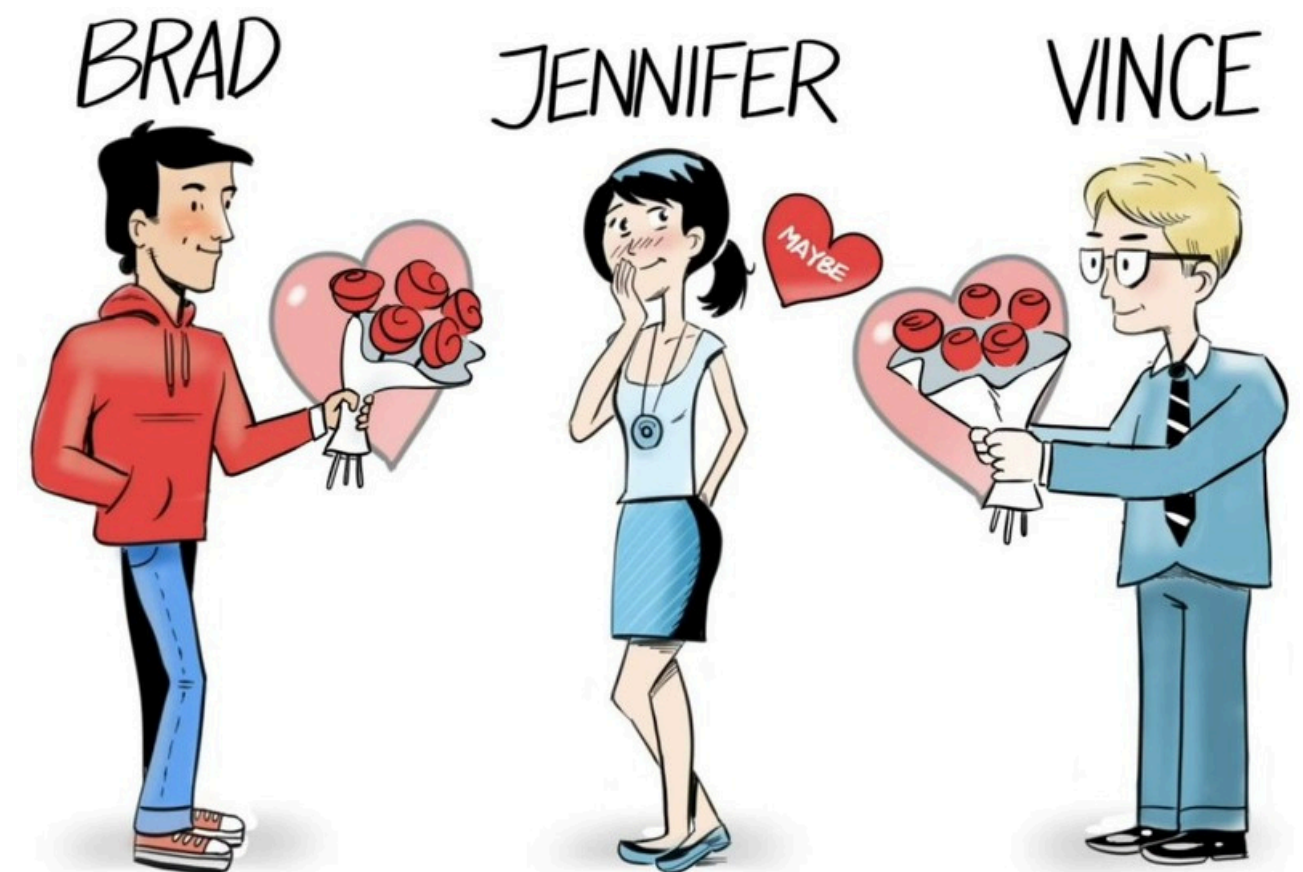
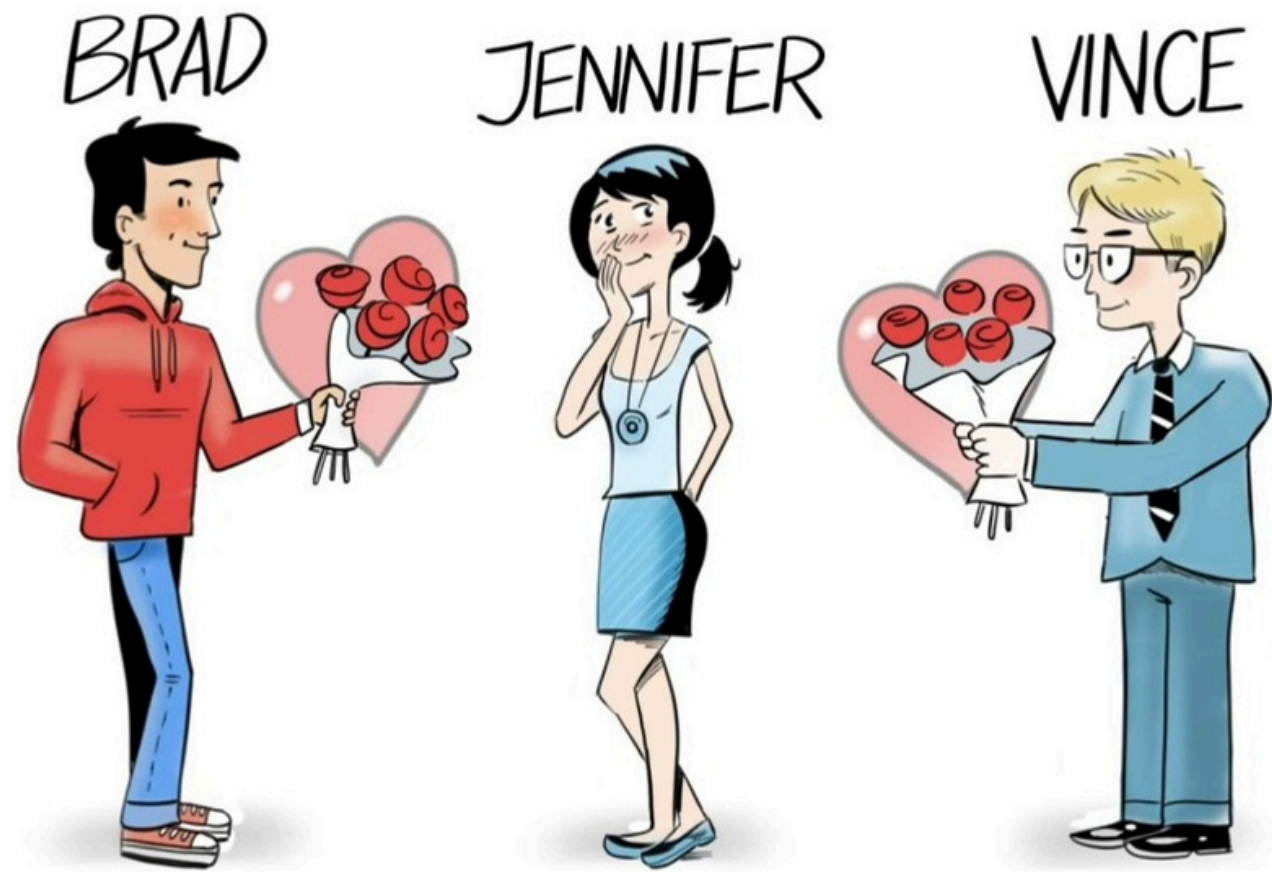


- Encourages dignity and respect
- Reduces superficial behavior
- Discourages one sided dynamics
- Promotes balanced relationships

Economic Upside for Families



- Faster matching reduces wasted time
- Couples combine resources sooner
- Supports long-term family stability
- Future profits may benefit users
- User make money letting while in a relationship



TYPICAL SITUATION

What we observe

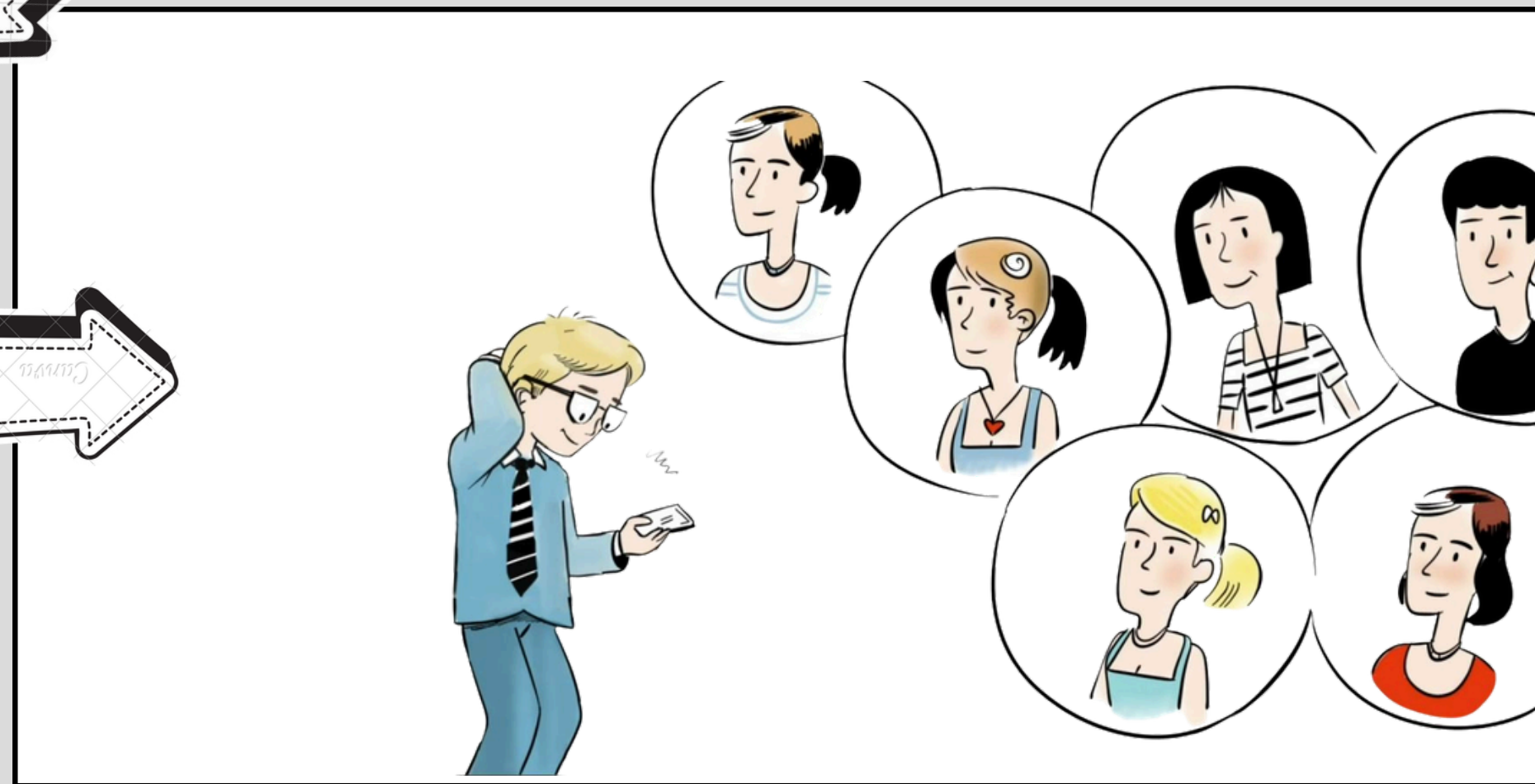
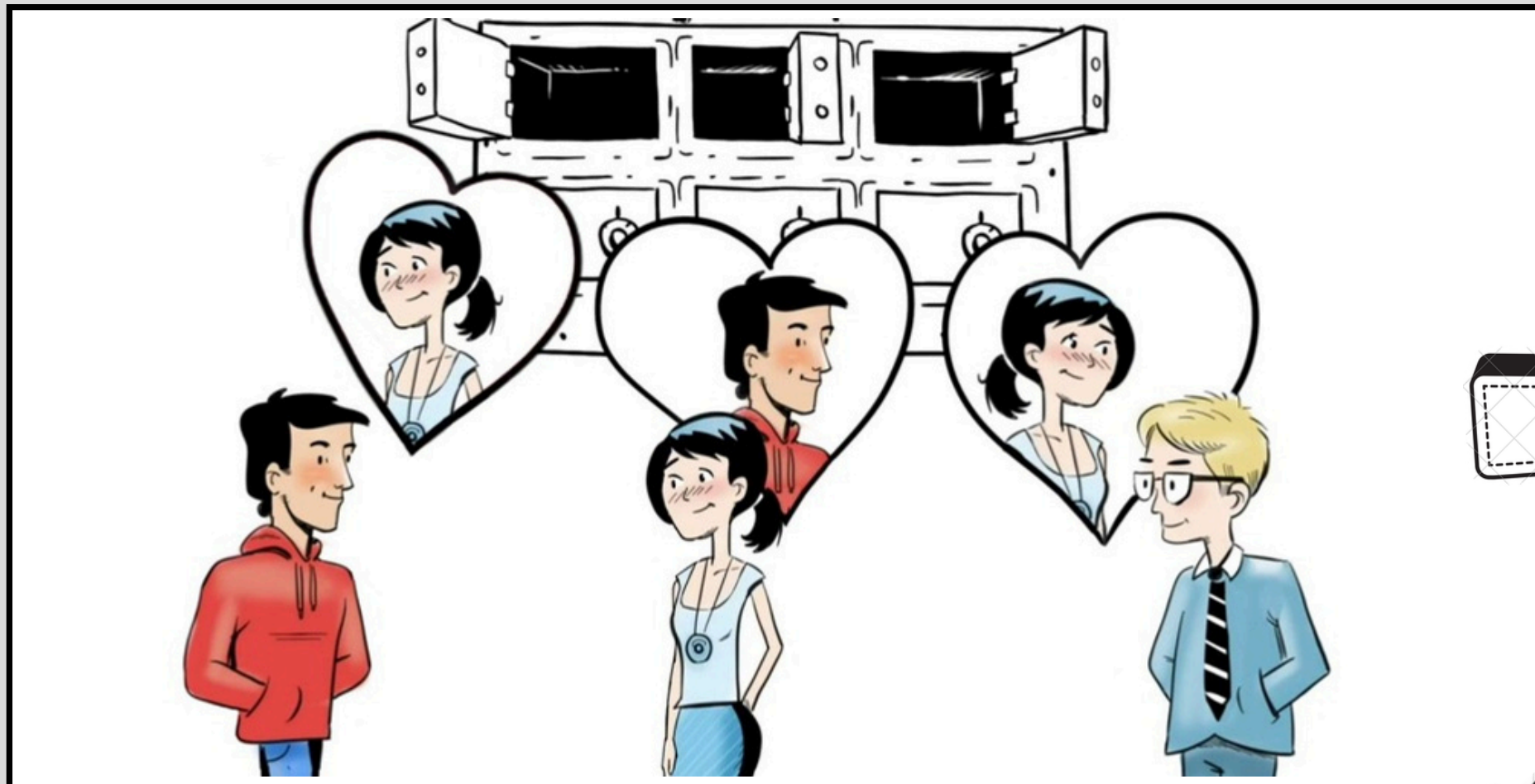
Vince lost dignity

Vince wasted time and resources

Jennifer was immoral but never punished

The interaction is not optimal as a result

! OUTCOME: VINCE LOSES

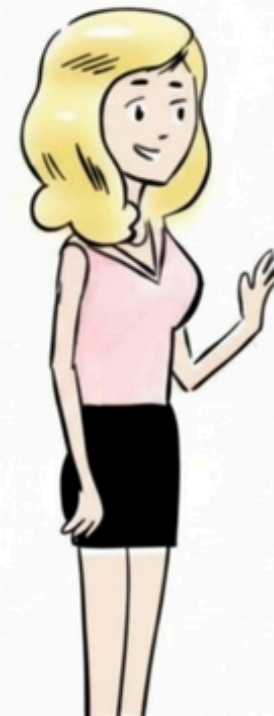
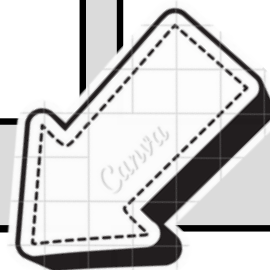
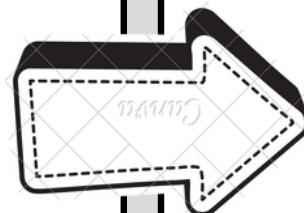


ANGELINA

BRAD

JENNIFER

VINCE

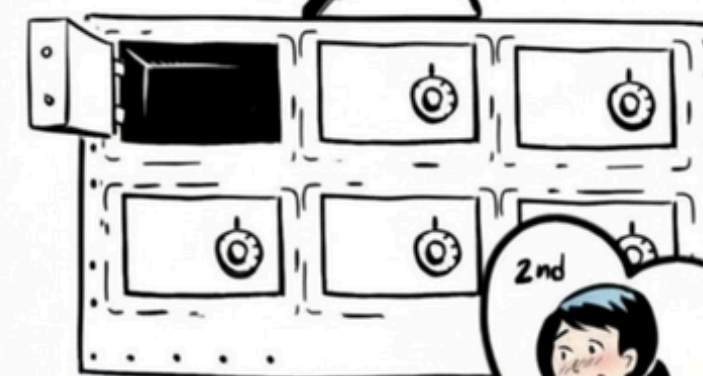
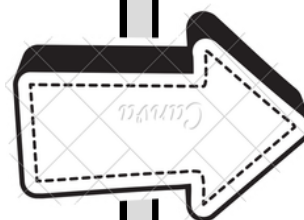
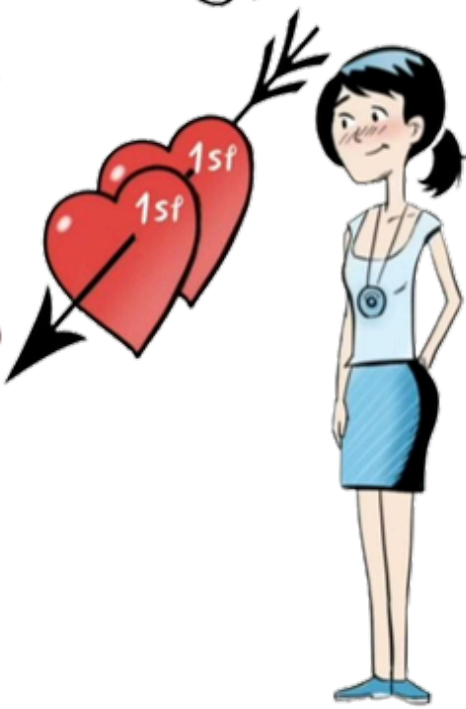
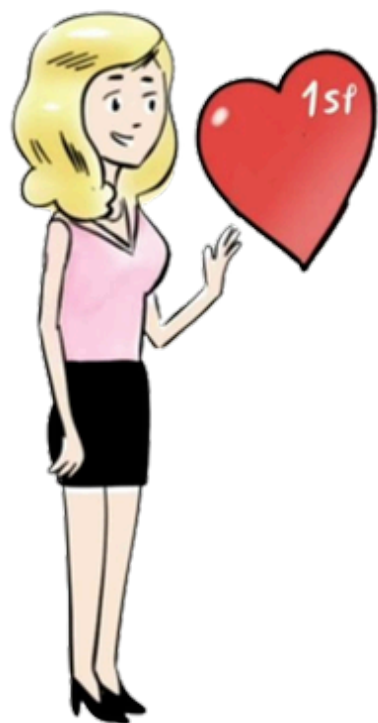


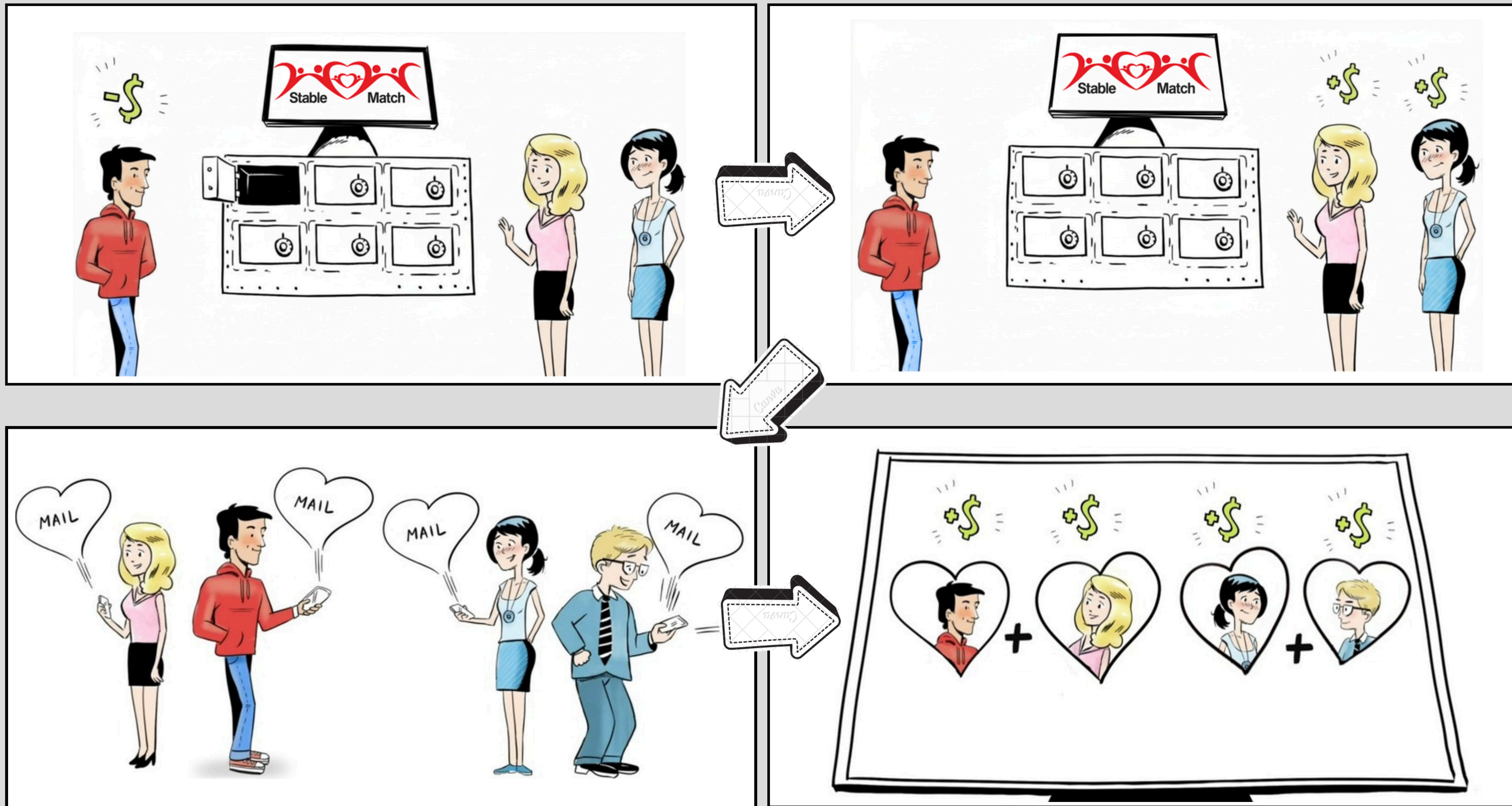
ANGELINA

BRAD

JENNIFER

VINCE







THE PROBLEM WITH COMPETITORS

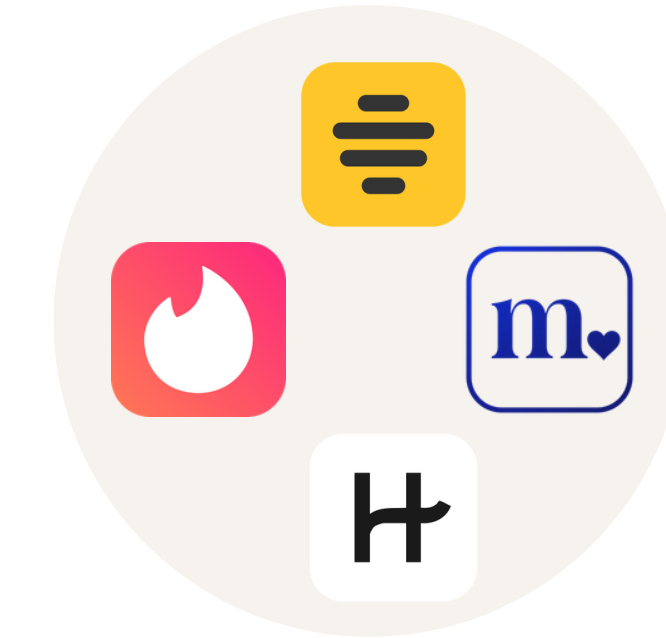
Population Decline (none take things into consideration)

- Delayed opportunities for family formation.
- Population collapse = societal collapse



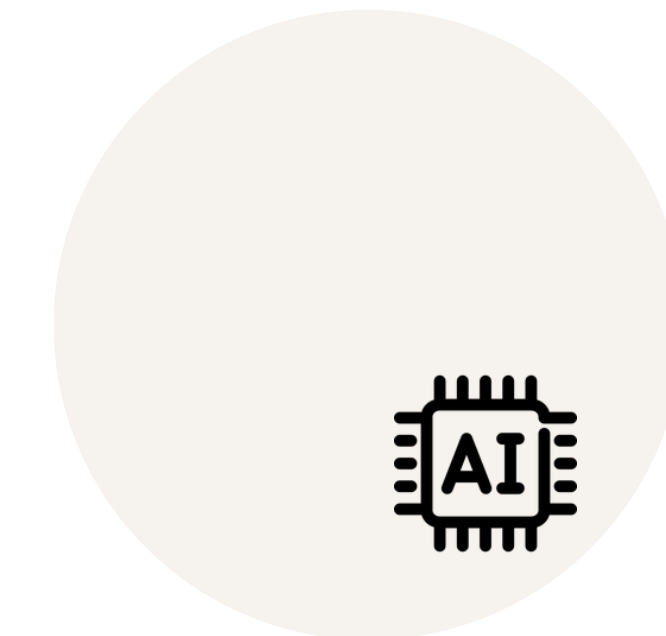
Dissatisfaction with Current Model of Dating Apps

- Current dating apps are built around keeping you single.
- Burnout of 80-90% users.



Industry Under-utilization of AI for Dating App Industry

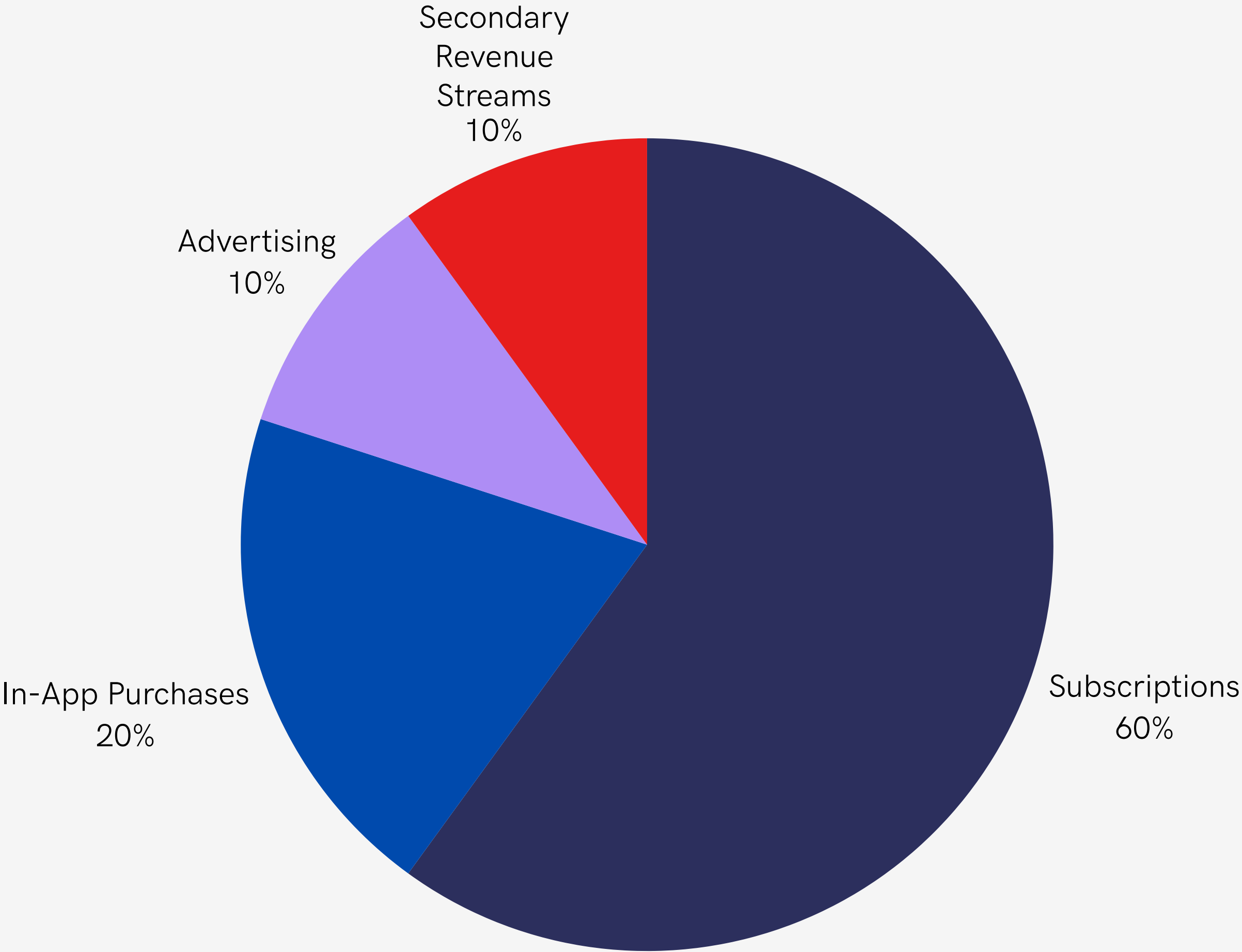
- Lack of proper usage of AI in the app industry.
- Example: Tinder, Hinge, Bumble or Match. (industry leaders)



MARKET OPPORTUNITY

Category	Userbase Type	Numerical Userbase	Key Filters/ Assumptions	Monetization Model	Annual Market Segment
TAM (Total Addressable Market)	Entire Global Dating App Market	~360-400M users globally	Includes all swipe-based + niche + social dating platforms	Avg ARPU ~\$18/month (~\$216/year)	~\$70-85B annual market
TAM (Adjusted - Relationship Intent Only)	Users actively seeking meaningful/long-term relationships	~130-180M users (~35-45% of TAM)	Filters out casual dating + hook-up intent	Avg ARPU ~\$18/month (~\$216/year)	~\$30-55B effective addressable segment
SAM (Serviceable Addressable Market)	Long-term relationship seekers reachable by AI-driven compatibility + stable matching platforms	~120-150M users	Relationship-first intent + dissatisfaction with swipe apps + openness to AI matching	Subscription + premium matching (\$12-25/month)	~\$25-40B annual SAM
SOM (Serviceable Obtainable Market)	Realistic share captured by a new AI relationship-focused app (3-5 year horizon)	~0.5-5% of SAM	Depends on network effects, retention, city density, algorithm success rate	Freemium → premium + success-based tiers	\$200M - \$2B+ ARR potential

DATING APP INDUSTRY REVENUE STREAMS



REVENUE STREAMS

Freemium Model

Free access features:

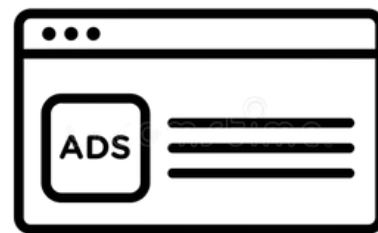
- Profile creation
- Limited matches
- Basic messaging
- Paid tiers (Standard / Elite / Premium):
- Unlimited matches & messaging
- Advanced compatibility insights
- Priority visibility / match ranking



Ad Revenue

Light, non-disruptive ad integration:

- Sponsored profiles
- Event-based ads
- Lifestyle partnerships (restaurants, travel, etc.)
- No spammy banner overload which protects UX/UI



Donations

Optional user contribution system:

- Users support platform or community
- “Pay it forward” model



Events & Experience

- Curated exclusive events for matched or compatible users:
- Private dinners
- Social mixers
- Activity-based dates (wine tastings, travel, etc.)

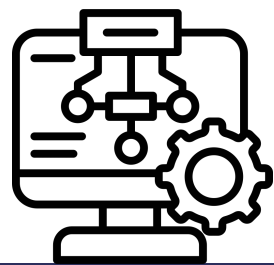


Event

BUSINESS MODEL

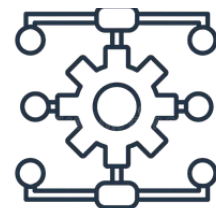
AI Stable Matching Algorithm

- Mutual Match AI Model
- Improves Match Quality over time
- Fewer, higher-quality matches
- Relationship outcomes



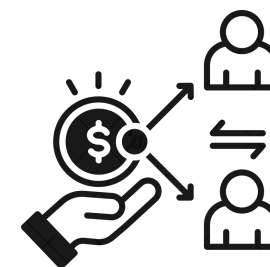
Algorithm Transparency

- Show why matches happen
- Displays compatibility insights
- Builds trust
- Guides users to better relationship outcomes



Profit Sharing

- Rewards active, quality users
- Reduces ghosting behavior
- User success = platform success



Long-Term Relationships

- Serious Connections
- Limits Shallow Interactions
- Intentional Matching
- Success = Real Relationships Formed



OUR TEAM MEMBERS



Babak Mahdavi-Damghani

**Chief Executive Officer
(CEO)**

- PhD in Machine Learning, Oxford
- Experience across Citigroup, Société Générale, Credit Suisse, and London Stock Exchange Group, Oxford Man Institute of Quantitative Finance and Andurand Capital
- Founder of EQRC, focused on quantitative finance, AI systems, and cognitive modeling
- Published researcher featured in Wilmott Magazine and CQF program materials



Zabil Khasayli

**Chief Technology Officer
(CTO)**

- B.A. in Industrial Administration & Regulation (Azerbaijan State Oil Academy) and advanced training in Software Development (STEP IT Academy)
- Experience in backend architecture, distributed systems, and full-stack engineering (.NET, Node.js, Angular)
- Leads core platform engineering, infrastructure scalability, and AI integration pipelines for Stable Match.



Dariush Sedigh

**Chief Marketing Officer
(CMO)**

- B.S. in Business Administration (Information Systems), San Francisco State University
- Combines technical development with business strategy, product development, and market research
- Experience in app development, data analysis, and system design (Python, Swift, SQL)



Konul Mustafayeva

**Chief Financial Officer
(CFO)**

- PhD in Mathematics from King's College London.
- Quantitative Researcher at places such as London Clearing House and Tages.
- Portfolio Manager at Fidelity managed successfully multi billions dollars systematic strategies
- Aim is to bring financial rigor as well as a female point of view.

LAYERED CAPITAL STRATEGY

Grants & Non-Dilutive Funding

- **Goal: \$100K–\$500K**
- **Sources:**
 1. **State/Federal innovation grants**
 2. **Tech entrepreneurship programs**
 3. **University research partnerships**



Government Grants

Kickstarter

- **Goal: \$200K–\$300K**
- **Rewards:**
 1. **1 Year Discounted Premium**
 2. **Exclusive Merch**



Angel/Strategic Investors

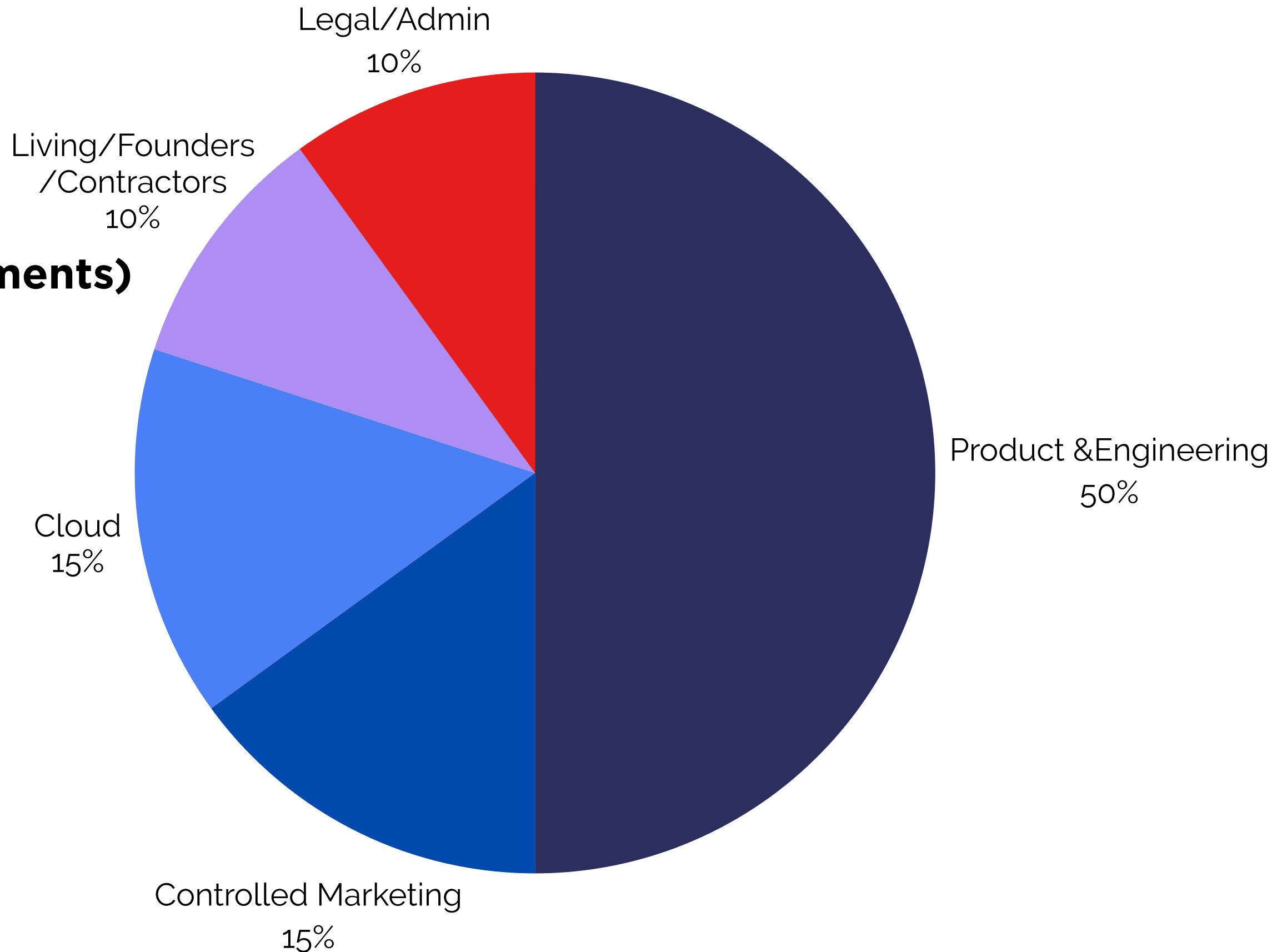
- **Goal: TBD**
- **Marketplace founders**
- **Subscription SaaS operators**
- **Colleagues Potentially**



ROUND 1 INVESTMENT

Goal \$1.2M-\$2M

- 10K-50K users (controlled environments)
- D30 retention: 15-20% target
- Match success validation
- This is roughly the Tinder model



USE OF FUNDS/NEW HIRES

Product Engineering

- Backend Engineering
- Frontend/Mobile Engineer
- Develop MVP (iOS/Android), onboarding, and matching system



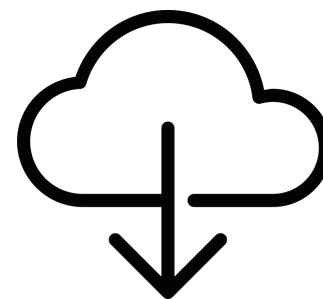
Legal/Admin

- Company Formation
- Compliance
- Privacy (GDPR/CCPA)
- Terms of Service
- IP Protection



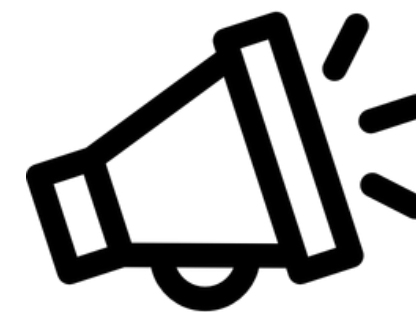
Cloud Infrastructure

- AWS/GCP Hosting
- Database Scaling
- AI Model Compute
- Security
- Data Pipelines
- Analytics Setup



Controlled Marketing

- University
- Tier 1 City Test Launches
- Paid Acquisition Experiments
- Early Brand Identity
- Landing Pages

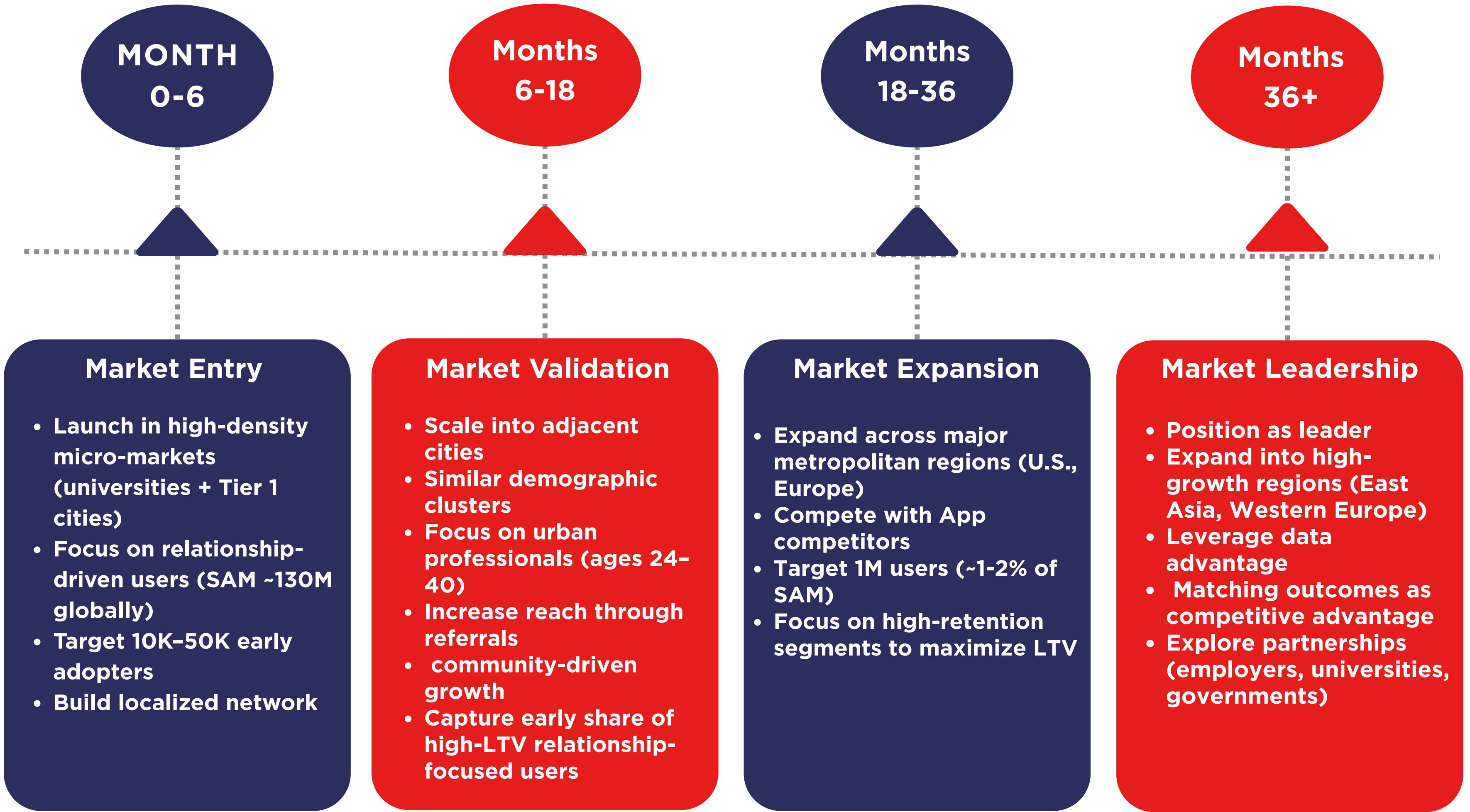


Founders/Contractors

- Minimal Founder Salaries
- Contract UI/UX Designer
- Part-Time Growth Advisor



TRACTION TIMELINE



Strenghts

- Nobel Prize winning algorithm and AI matching (better outcomes)
- Higher retention and higher LTV
- Lower CAC at the start
- Profit sharing
- Silent ranking system
- Revolutionary Business Model
- Matching is attainable for all

S

O

Opportunities

- Growing dissatisfaction with apps like Tinder and Bumble
- Diversified monetization strategy.
- Potential for network effects
- Potential government investment.
- Could revolutionize society and world culture.

Weaknesses

- Cold-start user base challenge
- More difficult to understand for the average person.
- Higher initial product/AI development cost
- More legal hurdles potentially.

W

T

Threats

- Incumbents (Match Group, Bumble Inc.) copying features
- High customer acquisition competition (rising CAC)
- User skepticism toward algorithmic matching claims
- Regulatory scrutiny around AI transparency and data usage
- Simpler apps that lack integrity
- Complex local optimal challenges

UNIT ECONOMICS

App	ARPU (Monthly)	CAC (Customer Acquisition Cost)	LTV (Long- term Value)	Conversion to Paid	D30 Retention	Monthly Churn
Tinder	\$17	\$5-10	\$45-60	14-16%	5-7%	93-95%
Bumble	\$14-19	\$8-13	\$90-160	8-10%	6-8%	92-94%
Hinge	\$22-32	\$10-16	\$140-260	12-18%	10-12%	88-90%
Stable Match	\$18-24	\$7-10	\$50-100	18-20%	90-100%	0-10%

WHY NOW?

```
graph LR; A((WHY NOW?)) --- B[Declining Birth Rates]; A --- C[Dissatisfaction]; A --- D[AI]; A --- E[Government Incentives & Grants]; A --- F[Changing Human Behavior]; B --- B1[• Population decline & delayed families driving need for scalable solutions]; C --- C1[• Swipe app fatigue increasing demand for meaningful connections]; D --- D1[• AI enables predictive, outcome-based matching vs engagement focus]; E --- E1[• AI + social innovation funding creates first-mover opportunities]; F --- F1[• Gen Z prefers online connection but is moving away from traditional apps];
```

Declining Birth Rates

- Population decline & delayed families driving need for scalable solutions

Dissatisfaction

- Swipe app fatigue increasing demand for meaningful connections

AI

- AI enables predictive, outcome-based matching vs engagement focus

Government Incentives & Grants

- AI + social innovation funding creates first-mover opportunities

Changing Human Behavior

- Gen Z prefers online connection but is moving away from traditional apps

Competition Utilization of AI vs Ours

Tinder

- On-Device AI Photo Selector
- “Chemistry” AI Matchmaker
- Vision-Language Model (VLM) for Photo Ranking
- “The Game Game” (OpenAI Integration)
- “Proof-of-Humanity” (World ID)
- “Daily Drop” Feature



Bumble

- AI Photo Feedback
- Deception Detector
- Private Detector
- Icebreakers/Opening Moves
- Bee AI Assistant



Hinge

- Convo Starters
- Prompt Feedback
- Recommendation System
- Opening Line Generators
- Automation Agents
- Safety & Optimization
- Human-Centric AI



Match

- MIA AI Matchmaker
- AI Profile Creation
- Photo & Scam Detection
- Conversation Assistance



Stable Match

- Nobel Prize Winning Algorithm (Gale-Shapley algorithm, Nash Equilibrium)
- Mutual Match
- Long-term match success
- New Innovations Coming Soon



FEATURES

Stability-Based Matching Engine

- **Powered by Nobel Prize winning Match Algorithm**
- **Matches based on mutual preferences**
- **Stable pairings optimized for long-term success**

Silent Ranking System

- **Hidden rankings based on true compatibility**
- **Removes vanity metrics and bias**
- **Promotes fair, balanced outcomes**

Meaningful Match Filtering

- **Limited, high-quality matches**
- **Reduces fatigue and swiping**
- **Drives deeper conversations**

Outcome-Focused AI

- **Optimizes for relationship success**
- **Learns from behavior and interactions**
- **Improves accuracy over time**

ADDITIONAL FEATURES

User Incentive & Redistribution Model

- Rewards high-quality engagement
- Potential profit-sharing benefits
- Aligns user and platform success

Guided Interaction System

- AI-powered prompts and suggestions
- Encourages meaningful dialogue
- Reduces low-effort interactions

Trust, Safety & Authenticity

- AI-driven verification and moderation
- Minimizes bots and fake profiles
- Builds a reliable user base

Real-World Integration (Events & Experiences)

- Curated events for compatible users
- Bridges online to offline
- Strengthens retention and community

WELCOME TO THE

DEMO

PRESENTATION

Discover how we bring people,
ideas, and impact together.



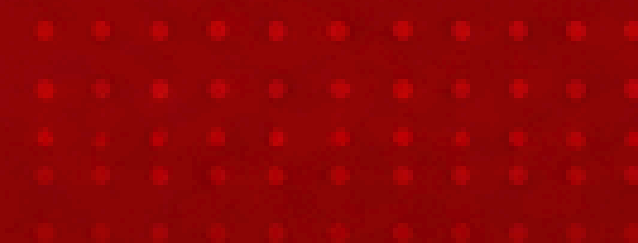
People First
We put people
at the heart.



Smart Solutions
Innovative ideas
that create value.



Real Impact
Driving meaningful
results together.



WELCOME BACK

Stable Match Connect

Login to continue your journey and
manage your professional connections.

Sign In

Enter your credentials to access your account.

 Email Address

 Password

Sign In

Don't have an account? [Sign Up](#)



About Stable Match

Where mathematics meets meaningful connections

Stable Match is a next-generation dating platform designed to eliminate the fatigue of endless swiping. By implementing the **Gale-Shapley algorithm**, we prioritize mathematical stability in relationships over simple surface-level attraction.



Smart Matching

Our algorithm analyzes deep psychological preferences to find partners who truly align with your values.



Verified Security

Your privacy is our priority. We use advanced encryption to ensure your data stays yours alone.



Pure Community

A curated environment of individuals seeking genuine, long-term stability rather than temporary flings.

Our Mission

To create a world where technology serves humanity by fostering deeper bonds and reducing social isolation through scientifically-backed compatibility.

 [Back to Home](#)



- Home
- About
- FAQ
- Contacts

- Sign In
- Sign Up

Help Center

Frequently asked questions and platform guidelines

Getting lost?

Algorithm & Matching

- How does the Stable Match algorithm work?
- Is my matching queue updated in real-time?

Privacy & Safety

- Who can see my personal information?
- How do I report inappropriate behavior?

Didn't find what you're looking for?
Our support team is available to help with any specific inquiries.

Contact Support

Back to Home

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Search Match



Rank List



Matches



Profile



Feed



Wallet



Interests



Settings



Chats



Logout

Search Users

Find and add users to your Staging Rankings



Search by name...

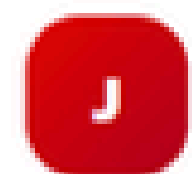


Angelina

Active Member



Added



Jennifer Doe

Active Member



Added



Sandra Edwards

Active Member



Added



Vallorie Stevens

Active Member



Added



Search Match

Rank List

Matches

Profile

Feed

Wallet

Interests

Settings

Chats

Logout

Rank List Manager

All changes saved

Draft Ranking

Drag to reorder. Changes save automatically.

Angelina



Jennifer Doe



Vallorie Stevens



Sandra Edwards



Your balance: \$478.83

Publish Official List (\$5)

Published Ranking

Your current live ranking status.

Angelina

Jennifer Doe

Vallorie Stevens

Sandra Edwards

MATCH HUB

4 People

Mutual Matches 4

Best Match

People Interested In You

Mutual interest found! Start a conversation below.

A

Angelina

Start Chat

J

Jennifer Doe

Start Chat

S

Sandra Edwards

Start Chat

V

Vallorie Stevens

Start Chat



Search Match

Rank List

Matches

Profile

Feed

Interests

Settings

Chats

Logout

MATCH HUB

Perfect Match

Mutual Matches 4

Best Match 1



BEST MATCH

Angelina

Start Chat



Search Match

Rank List

Matches

Profile

Feed

Wallet

Interests

Settings

Chats

Logout

Chats

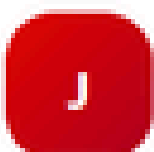
Search people or messages...



Angelina

Yesterday

I would love to go for a run sometim...



Jennifer Doe

Yesterday

You: I am okay! How are you doing

Conversation

Active now



How are you doing?

01:08 PM

I am doing okay! How are you doing today?

01:51 PM

I am okay! I just got back from the track! Would you like to go for a run sometime?

01:52 PM

I would love to go for a run sometime with you!

02:00 PM



Type a message...





Search Match

Rank List

Matches

Profile

Feed

Wallet

Interests

Settings

Chats

Logout

What's on your mind?

Add Media

Post



Brad

5/7/26, 12:57 PM



Just got back from a great run at the track. Really seeing improvements in my cardio.



1



0

Wallet

Manage your balance and transactions

AVAILABLE BALANCE

\$478.83

Total Earned

+\$8.83

+ Add Funds

Transactions

Add Funds

Transaction History

TodayThis WeekThis MonthThis Year

Income

+\$508.83

Expense

-\$30.00

Net Change

+\$478.83

 Payment for publishing ranking

Today completed

-\$5.00

 Reward from ranking publication

Today completed

+\$0.63

 Reward from ranking publication

Today completed

+\$0.63

My Interests

Select topics that describe you best (39 selected)

Save Interests

Music

ROCK

Classic Rock

Hard Rock

Soft Rock

Alternative Rock

Punk Rock

Progressive Rock

Garage Rock

POP

K-Pop

Synth-pop

Dance Pop

Electro Pop

Indie Pop

HIP-HOP & RAP

Trap

Old School Hip-Hop

Lo-Fi Hip-Hop

Conscious Hip-Hop

Boom Bap

ELECTRONIC

House

Techno

IDM & Experimental

Ambient

Drum & Bass

CLASSICAL

Baroque

Romantic Era

Contemporary Classical

Sports & Athletics

FOOTBALL (SOCCER)

English Premier League

BASKETBALL

NBA

Streetball

FITNESS & TRAINING

Yoga

CrossFit



Search Match



Rank List



Matches



Profile



Feed



Wallet



Interests



Settings



Chats



Logout

Settings

Manage your account preferences



Account



Notifications



Appearance



Security



Appearance

Theme

Dark



Save Changes



Stable

Match

Make Money while Searching for your Perfect Match

Join Now

Appendix

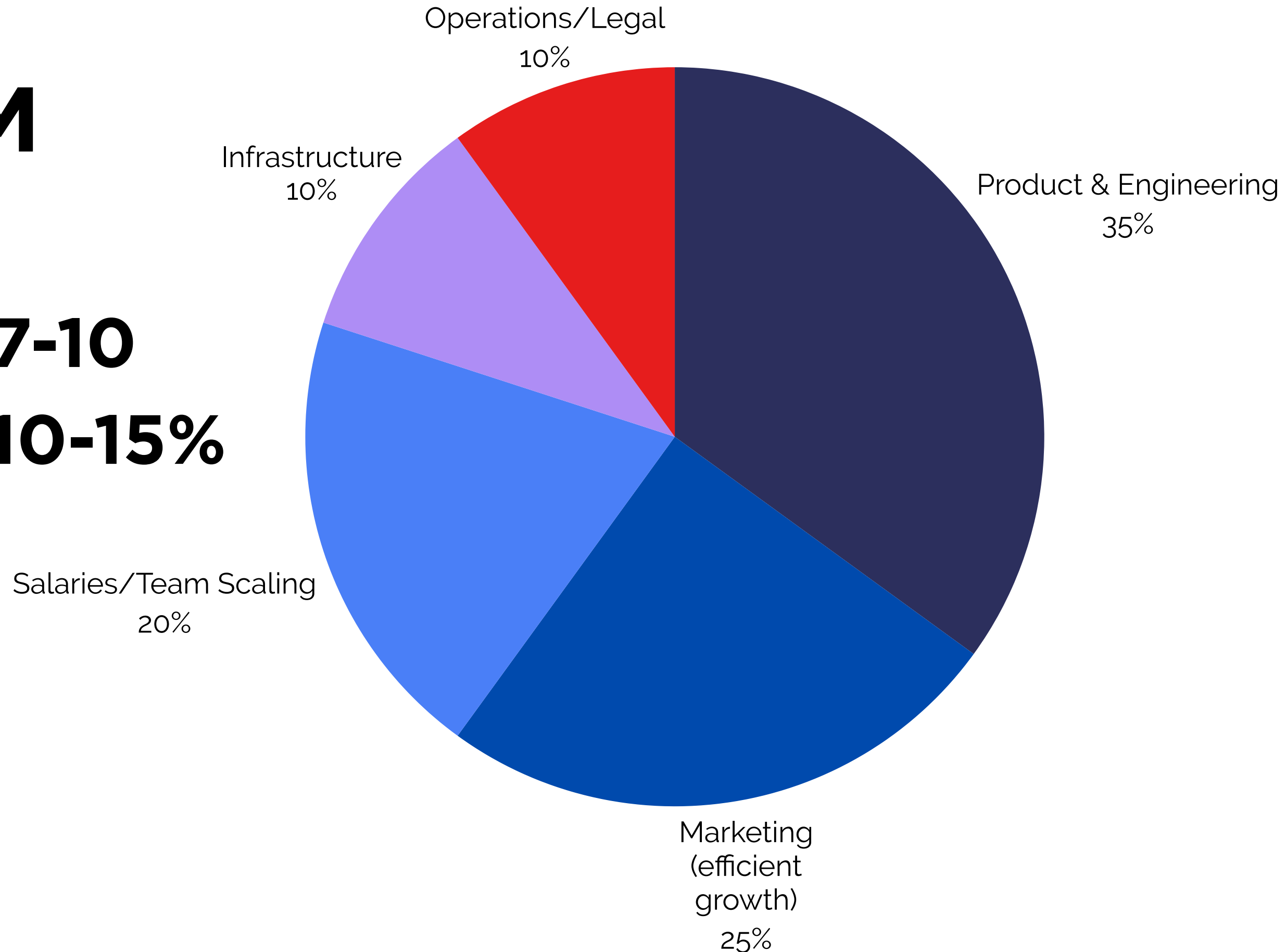
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ROUND 2 INVESTMENT

Goal: \$4M-\$6M

- **100k-300k users**
- **CAC stabilized: \$7-10**
- **Paid conversion: 10-15%**



Use of Funds/New Hires

Product Engineering

- AI/ML Engineer
- DevOps Engineer
- QA Engineer
- Scalability
- Algorithm Accuracy
- UX
- Additional App Features



Ui-ux Design

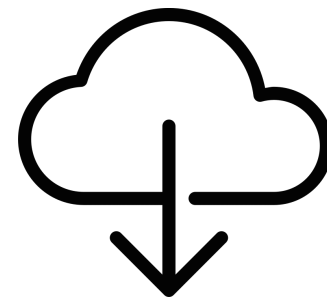
Operations/ Legal

- Company Formation
- Compliance
- Privacy (GDPR/CCPA)
- Terms of Service
- IP Protection



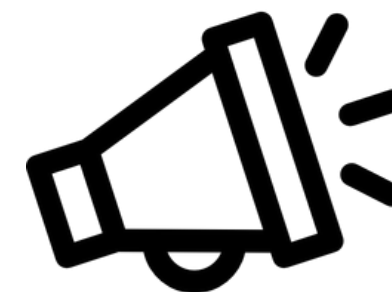
Infrastructure

- AWS/GCP Hosting
- Database Scaling
- AI Model Compute
- Security
- Data Pipelines
- Analytics Setup



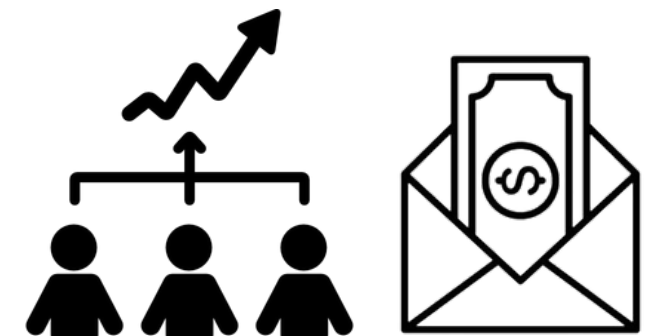
Marketing Growth

- Expand to Metro Areas (US, EU)
- Influencer Campaigns
- Referral Programs
- Optimize CAC Across Channels



Salaries/ Team Scaling

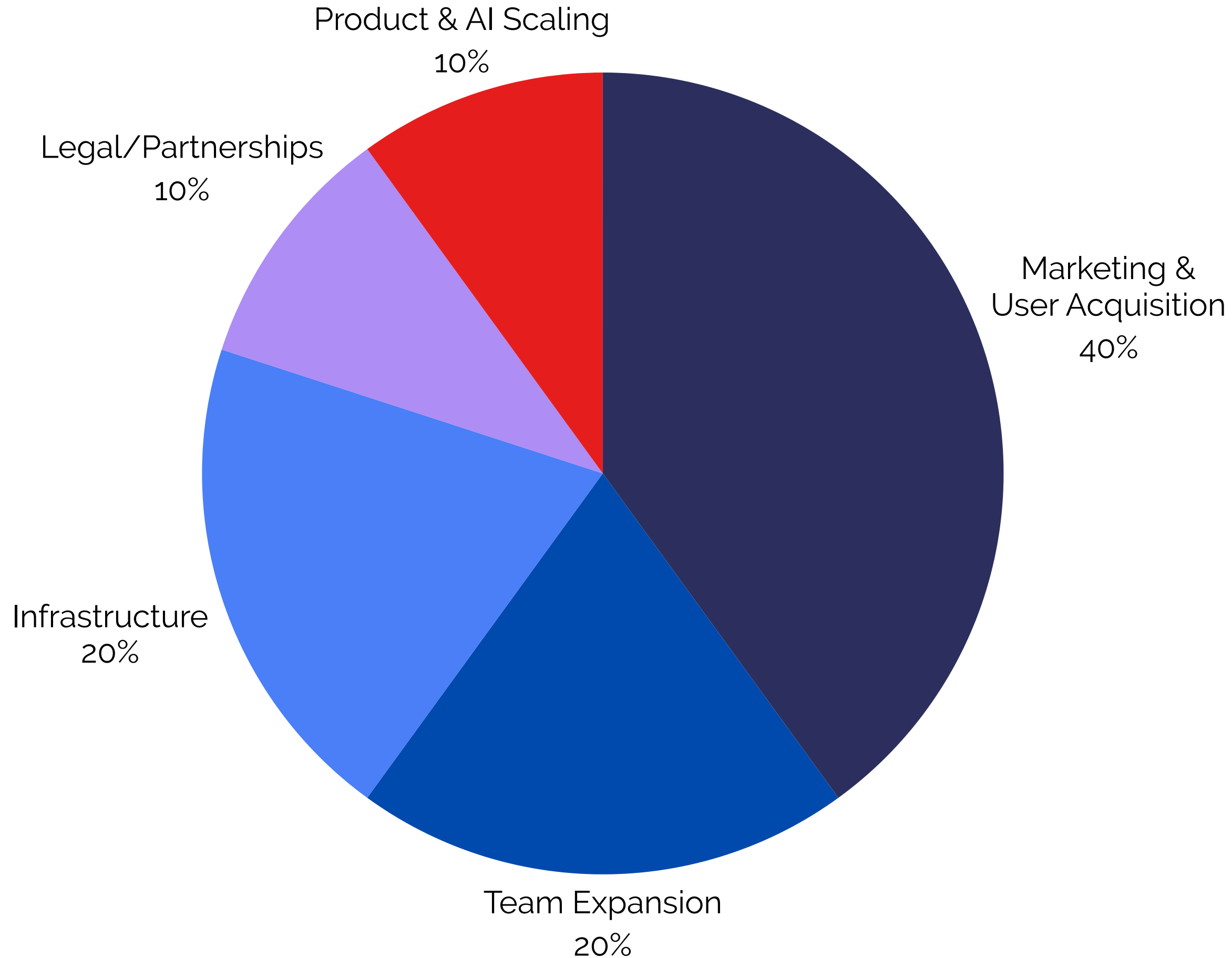
- Product Manager
- Marketing Lead
- Customer Support Team



Round 3 Investment

Goal: \$12M-\$14M

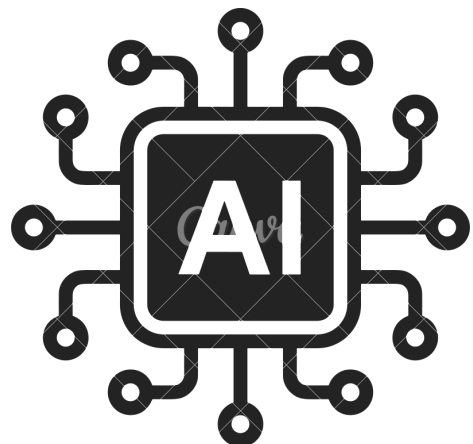
- **500K - 1M users**
- **CAC: \$7-9**
- **LTV: \$50-\$100**
- **LTV:CAC: 7:1 to 10:1 (Optimal)**
- **LTV:CAC: 3:1 (Usual)**



Use of Funds/New Hires

Product & AI Scaling

- Enhance Match Models
- Advanced Compatibility Analytics



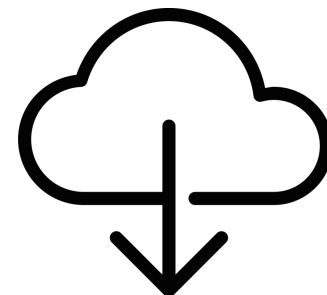
Legal/ Partnerships

- Government Partnerships
- Strategic Alliances
- Enterprise Integrations



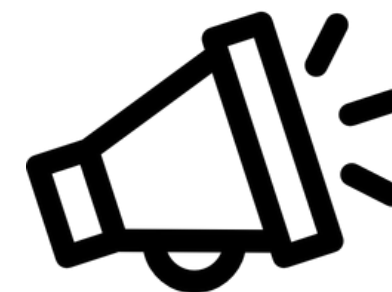
Infrastructure

- Scale AI Systems
- Global Server Distribution
- Advanced Personalization
- Real-Time Optimization



Marketing & UA

- National & International Campaigns
- Brand Partnerships
- Media Placements



Team Expansion

- Product Manager
- Marketing Lead
- Customer Support Team
- Founders Salary
- Moderation Team

