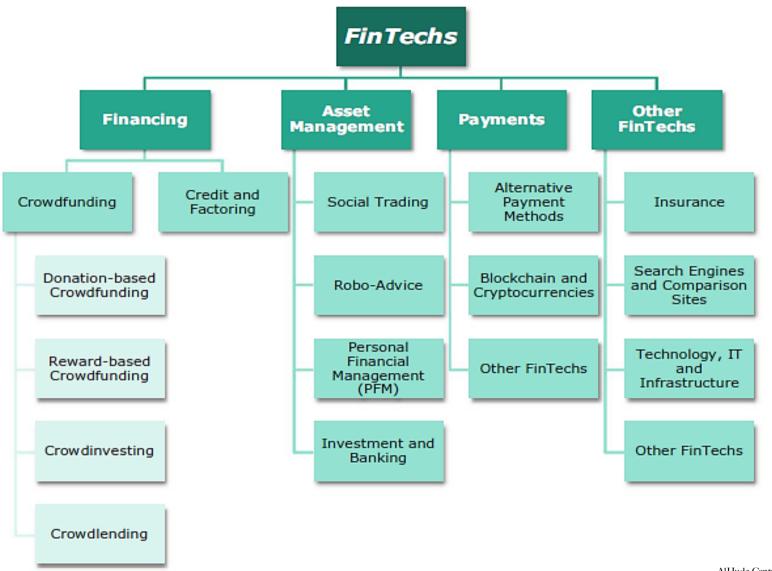
Technology and Financing



What is Fintech?

- Currently there is not a universally accepted definition of the term "FinTech"
- FinTech is to combine financial services with modern and innovative technologies
- It is clearly a rapidly growing industry as investments in these technologies are growingly exponentially
- The fintech revolution started post 2007-2008 financial crisis
- FinTech services are for peer-to-peer (P2P) lending, crowdfunding, money transfer, mobile payments and trading platforms field work at least twice a week



AlHuda Center of Islamic Banking & Economics

Fintech Features

- Convenience
- Provide the means to keep economies expanding while traditional methods and limited applicability
- Improved, efficient and Secured Payment System
- Speed with accuracy
- Innovative way to address the Financial data mining issues, Activity Reports, etc.
- User Friendly
- Efficient Time Management"

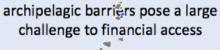
Fintech Challenges

- Unavailability of Regulatory Framework
- Not Suitable with existing Financial Systems
- Rapid developments in technology cause financial Institutions to invest more on technology in competitive markets
- Rapidly changes make regulations a problem and provide outlet for criminal activities

Access to finance remains a challenge



of the 1,634 cities and municipalities do not have a banking office





are concentrated in NCR





Filipino households have a deposit account



of adults had a loan in a formal financial institution in the past year



BANGKO SENTRAL NG PILIPINAS

With at least one banking office

Unbanked

JAN 2018

DIGITAL IN THE PHILIPPINES

A SNAPSHOT OF THE COUNTRY'S KEY DIGITAL STATISTICAL INDICATORS



TOTAL **POPULATION**



INTERNET **USERS**



















105.7 **MILLION**

67.0 **MILLION**

67.0 **MILLION**

61.0 **MILLION**

62.0 **MILLION**

URBANISATION:

44%

PENETRATION:

63%

PENETRATION:

63%

PENETRATION:

58%

PENETRATION:

59%















Payments & Mobile Wallets



BeamAndGo

Payment

Powered by





Founded: 2014 | Website: https://www.beamandgo.com/ | Location: Makati City

BeamAndGo.com provides Philippines and overseas Philippines a better way to purchase life's essentials – groceries, supplies, care and prescription medicines – for their loved ones within the Philippines. In partnership with stores throughout the Philippines, the BeamAndGo way of giving is secure, efficient, convenient and digital.



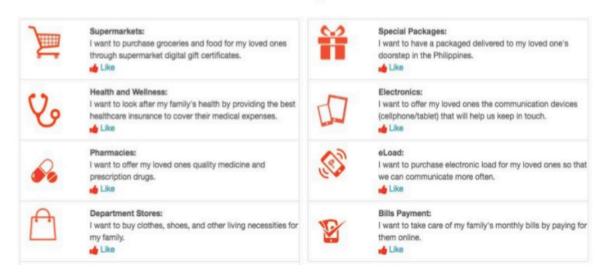
Want to send a gift to your loved one's doorstep? Send them a Home and Personal Care package!

FAQ ABOUT US

SIGN UP FOR FREE

LOG IN

"Make today count."







Founded: 2015 | CEO: Orlando Vea | Website: https://paymaya.com/ | Location: Mataki City

PayMaya is a prepaid online payment app that enables the financially underserved to pay online without a credit card. It gives you a virtual prepaid card for shopping online, booking flights and more.







Founded: 2010 | CEO: Robertson Chiang | Website: https://www.dragonpay.ph/ | Location: Mataki City

Dragonpay, acting as a payment gateway, specializes in online payment solution that uses online and offline banking facilities, and other non-traditional brick-and-mortar outlets, to accept payments from a broader market base in a more secure and cost-effective manner.







Website: https://truemoney.com.ph/about | Founded : 2003 | Location: Pasig City

TrueMoney is an e-payment services provider in Southeast Asia. The platform includes TrueMoney Wallet, WeCard by MasterCard, TrueMoney Cash Card, Kiosk, Express, Payment Gateway and Remittance





Founded: 2014 | Founders: Ron Hose & Runar Petursson | Website: https://coins.ph | Location: Manila City

coins.ph

Coins.ph is a money transfer platform with mobile devices, powered by blockchain technology. The mobile wallet empowers consumers and small businesses by giving them direct access to world class financial services.





Founded: 2014 | Founders: Ron Hose & Runar Petursson | Website: https://coins.ph | Location: Manila City



ML ePay allows online shoppers to pay for online purchases without a credit card and instead pay in cash at any M Lhuillier branch.

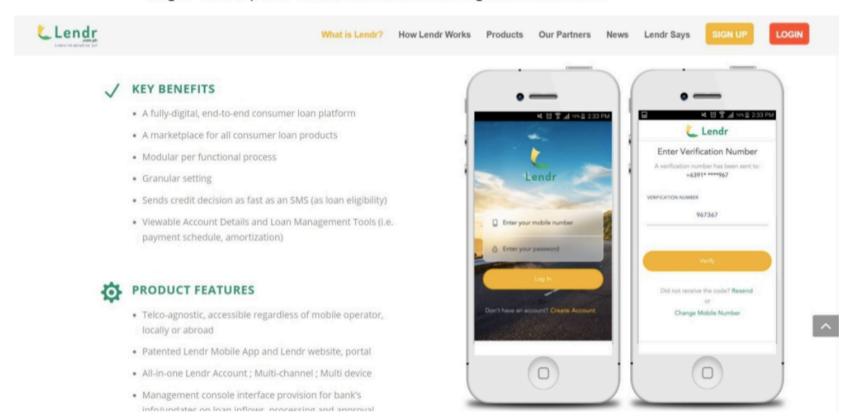






Website: http://www.lendr.com.ph/ | Location: Pasig City

Lendr is a fully digital loan origination platform that you can access using any mobile device. Lendr aggregates different banks, financial institutions and credit providers into a single "marketplace" for all consumers wishing to avail of loans.



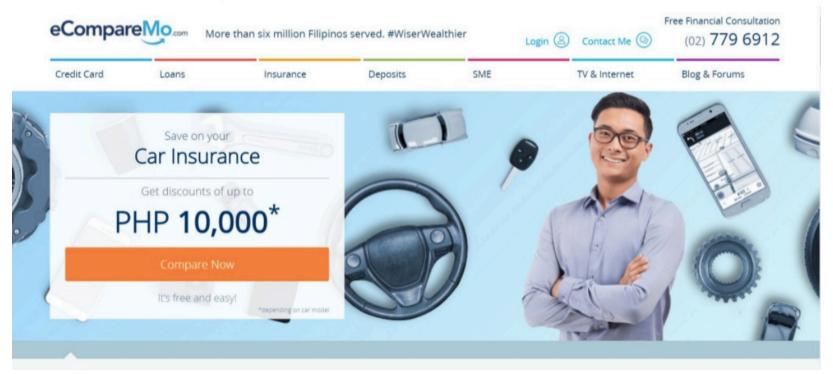


Website: https://www.ecomparemo.com/ | Founded : 2014 | Location: Makati City



Comparison

eCompareMo.com is a comparison portal intended for Filipinos looking for quick, secure, and complete banking and insurance information in the Philippines. Customers are provided with detailed information about their preferred credit cards (credit limit, promos & discounts, annual fee, and more) and insurances (coverage and premium) to help them find the perfect product that suits their lifestyle.

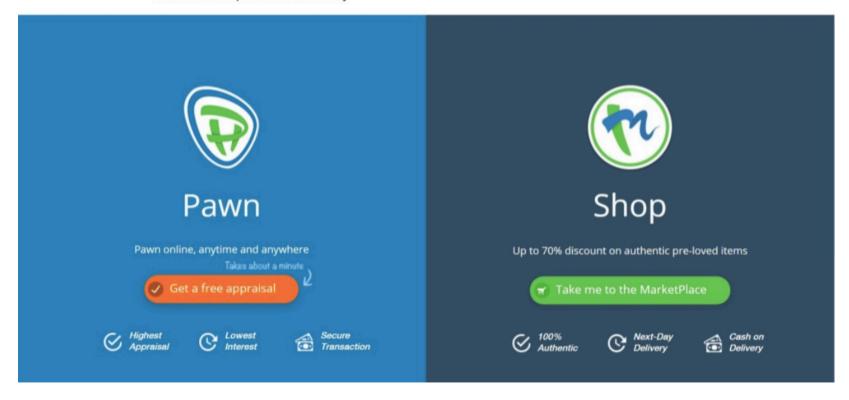






Launch: 2015 | Founders: Nix Nolledo, Manny Ayala & David Margendorff | Website: https://pawnhero.ph/

PawnHero is the first online pawn shop in Southeast Asia and aims to reshape the industry by providing an affordable personal loan off a wide range of items. In 2015, PawnHero won Judge's Choice in the Top 100 Startups Philippine Qualifiers and the Most Promising Startup in Asia at Echelon Asia Summit 2015. The online pawnshop startup has also won the 2016 Hack Osaka pitch contest in Japan held recently



Financing





Founded: 2015 | CEO: Ruel Amparo | Website: https://www.cropital.com/ | Location: Quezon City

Cropital is a crowdfunding platform connecting anyone to help finance farmers, be it private investors or individuals who just want to help.



About Us

How It Works

Help & Support



What's In It For You



Connect with our Farmers

We provide you an opportunity to directly impact the lives of our farmers



Grow your money

We provide you with an alternative medium for investment and additional source of income for living



Social Impact Invesment

We are a social impact investment wherein you help our farmers but at the same time earn for your future





Step 1
Choose farm to invest in

Sign-up and register to be able to view and invest in the selection of farms curated for this cycle.

Read more about how to invest here.

Step 2
Farm successfully funded

Once the farm has been fully funded, the farmers will be provided with the resources they need to start farming.





Step 3 Empower farmers and improve productivity

The funds and resources will then be utilized to improve production. Cropital manages the fund for the farmer, making sure it goes to the right resources in hopes that investors get their return on investment.

Learn how we manage risks here.

Step 4 **Gain returns**

After the harvest and once the produce has been sold, the capital will return to the investor's virtual wallet together with the profit shared.

Read more about charges and returns here.

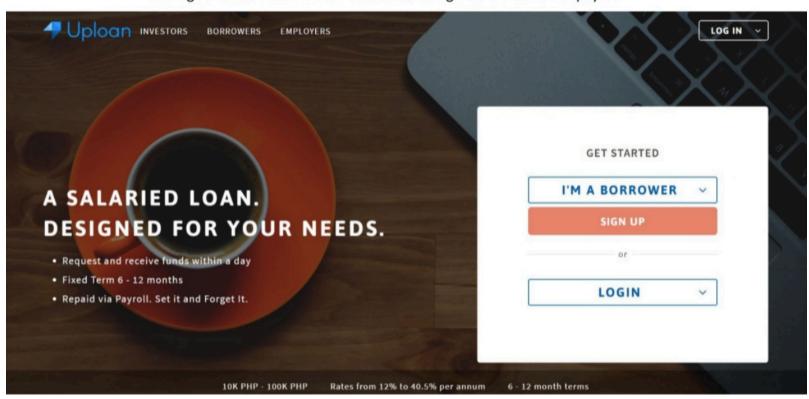






Website: http://www.uploan.ph// | Founded: 2016 | Location: Bonifacio Global City

Uploan employs a B2B2C model, partnering with employers to provide payroll deducted loans to those underserved by financial institutions in the Philippines. Through its online credit (P2P lending) marketplace, Uploan provides better loans to employees by matching the loans to investors who are looking for better returns in an asset secured against the borrower payroll.



Pera Agad by Cash Credit

Loans

Powered by





Website: http://peraagad.ph/ | Founded : 2016 | Location: Bonifacio Global City

Pera Agad is by Cash Credit, an international tech-based financial services company that has partnered with SMART to bring a fast unsecured credit provided exclusively to SMART Prepaid and TnT subscribers in the SMART Padala and Pera Hub centers.



BORROW MONEY FROM A FRIEND!





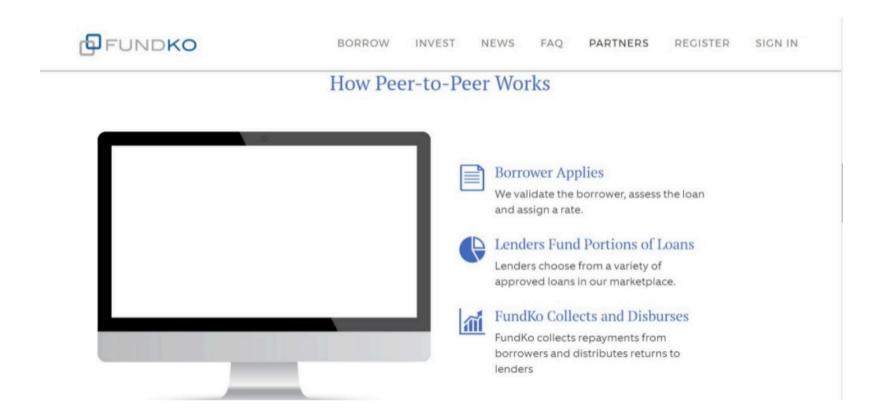
► Watch video **F** Access Documents T&C Press Release About Us Contact Us **CHOOSE YOUR AMOUNT** PERA AGAD is a fast and convenient loan for Smart prepaid and TNT subscribers Amount P 4000 Apply online and get instantly approved! Term ■ You can get your loan via any of our <u>350 outlets</u> partners in 12 weeks NCR, Calabarzon, and Cebu Installment: P 445 Interest & fees Total to repay Borrowing **APPLY NOW** P4000 + P1340 = P 5340



Website:https://fundko.com | Founded : 2016 | Location: Mandaluyong City



FundKo is an online peer-to-peer platform which serves as an intermediary between borrowers who FUNDKO want to avail of a loan, and investors who want to earn potential high returns for their money. FundKo is a subsidiary of Guevent Investments Development Corporation (GIDC)

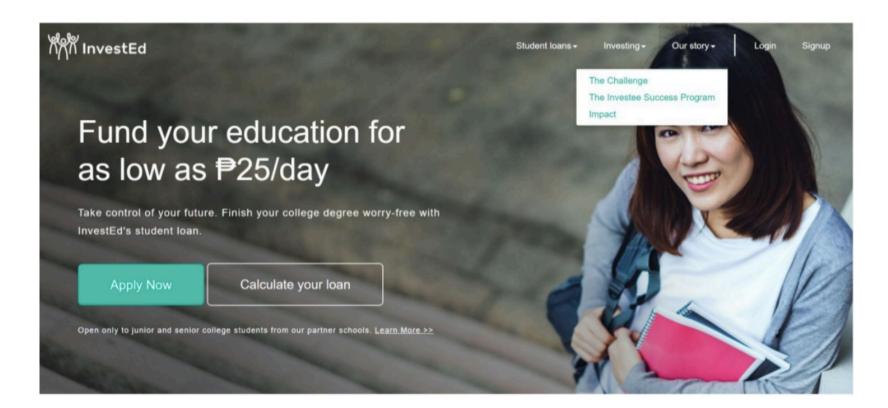






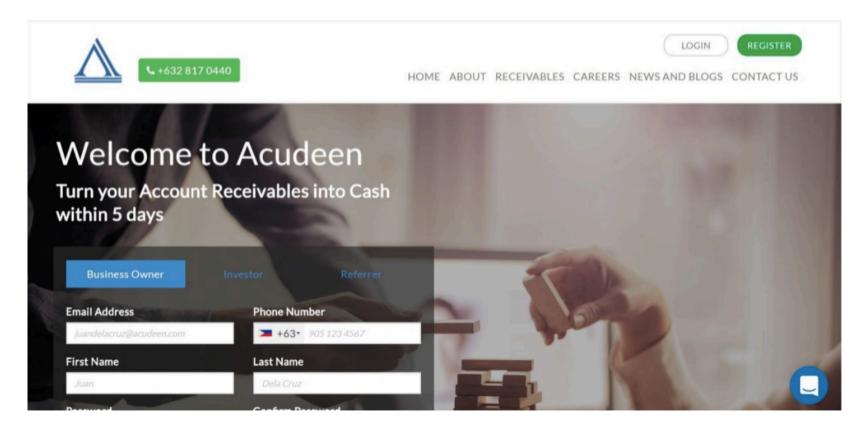
Website: https://www.invested.ph | Founded : 2016 | Location: Quezon City

InvestEd provides accessible education loans to students from low-income families, especially those who cannot afford high-interest rates from microfinance lenders and are shut out from the financial system.





Founded: 2016 | CEO: Mario Jordan Fetalino III | Website: https://www.acudeen.com/ | Location: Makati City **Acudeen** is an online P2P marketplace for discounted invoices that helps SMEs with cash flow problems.



Loans

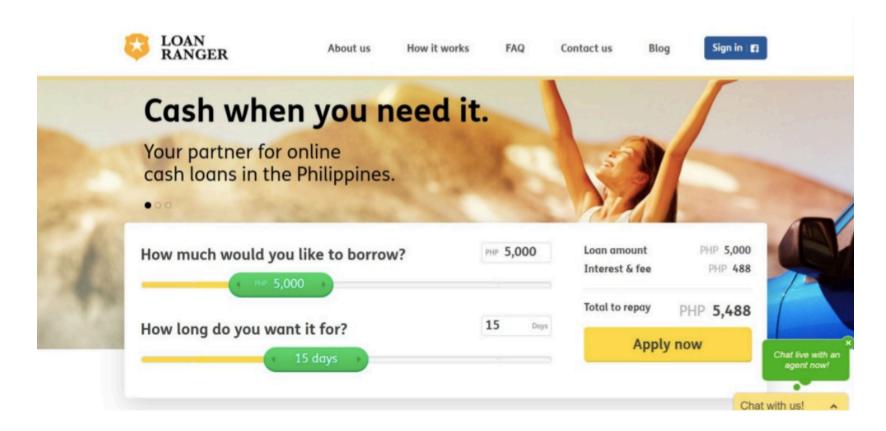








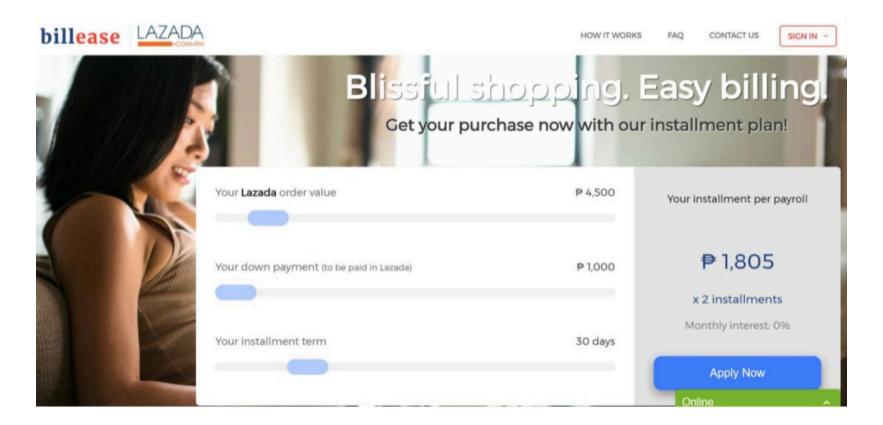
Loanranger.ph is the first service in the Philippines that provides short-term instant or near-instant credit to consumers, providing a convenient and safe alternative to unregulated lenders.



Founded: 2017 | Website: https://billease.ph | Location: Makati City

billease

BillEase is your online and hassle-free shopping partner that allows you to shop and pay at a later time. All you have to do is to submit an application form, wait for approval, and once approved, you can get your vouchers, which you can use for shopping in Lazada.







Website: https://www.bloom.solutions/ | Founded: 2015 | Location: Makati City

Bloom combines blockchains and cryptocurrencies with compliance tools to create a modern remittance network. Bloom has just been selected for the Google Launchpad program, a business accelerator that invests in companies building solutions for some of the world's biggest problems.







Website: https://smartpadala.ph/ | Founded : 2004 | Location: Makati City

Smart Padala is the largest domestic remittance brand in the Philippines with over 15,000 Smart Padala Centers across the country. Smart Padala also offers international remittance, bills payment, airtime load selling, and reloading of mobile wallet accounts including Smart Money and PayMaya to address the transactional needs of both the banked and the unbanked in emerging markets.

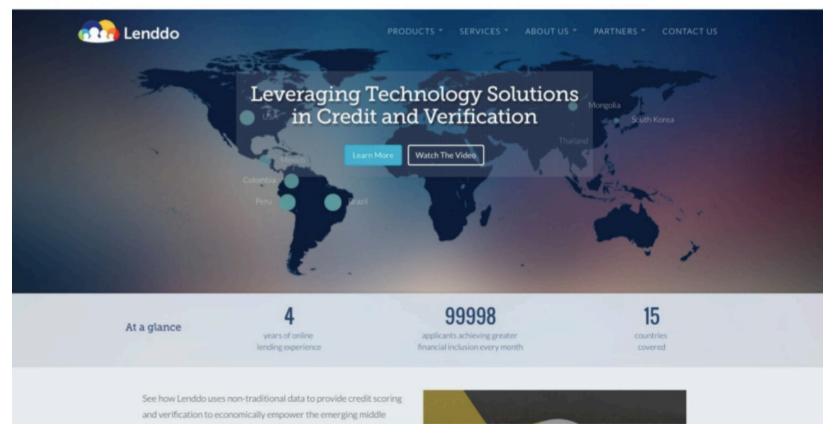






Founded: 2011 | CEO: Jeff Stewart | Website: https://www.lenddo.com | Location: Singapore

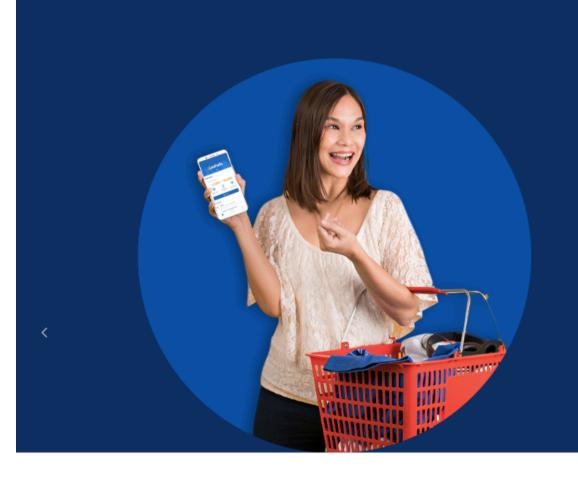
Lenddo, one of Technology Pioneers 2014 by The WEF, empowers the middle class to use online social connections to demonstrate creditworthiness & access affordable, life-improving financial services.











MAG SHOPPING NANG WAGAS, **KAHIT KULANG ANG** CASH!





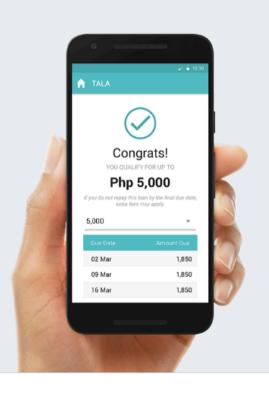




TALA

FINANCIAL FREEDOM AT YOUR FINGERTIPS







Tala is the #1 solution to build your financial future! Get loans all your fingertips — whenever, wherever.



How does it work?

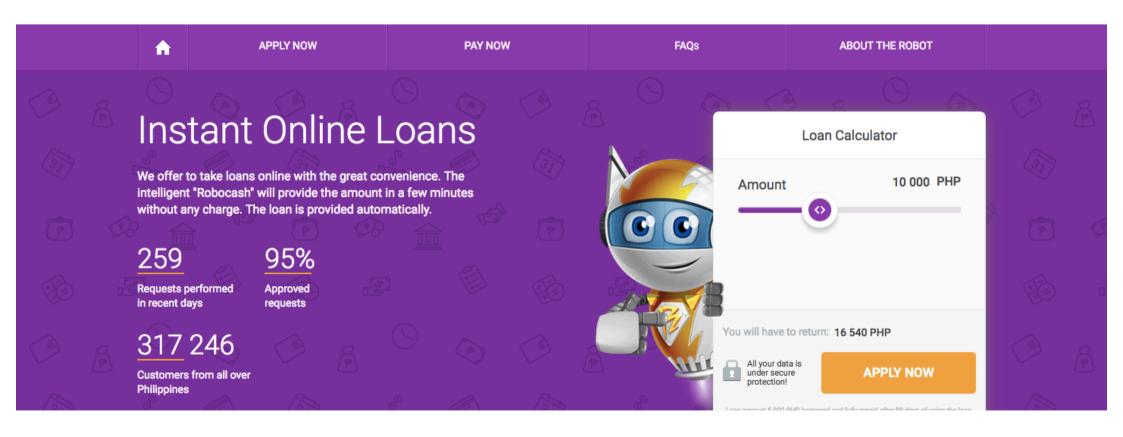
- Download and apply in 5 minutes
- Instant loan decision
- Cash sent to your bank account or nearest Padala Center in as little as 24 hours
- First loans start at Php 1000
- Build your credit limit over time by repaying on time!

"By far, this is one of the best finance apps so far. I didn't expect that my loan application would be approved in less than 10 minutes."

- Jenielle



For contact time, 8AM-8PM (02) 876 8484





Shop in AKULAKU Now

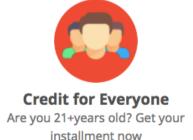
BUY ON INSTALMENT WITHOUT CREDIT CARD



Why Shop in Akulaku?









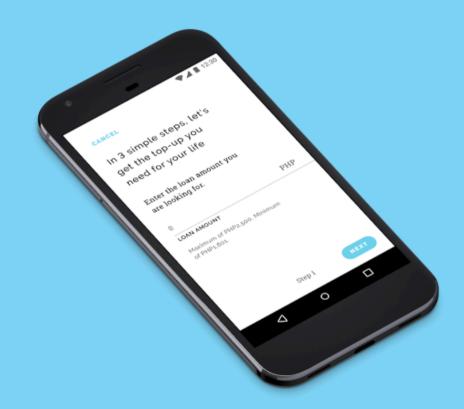


Instant, affordable short-term micro-loans at your fingertips

No bank account or references required.

Minimal, one-time documentation

















Payments & Mobile Wallets









Credit Rating & Analytics

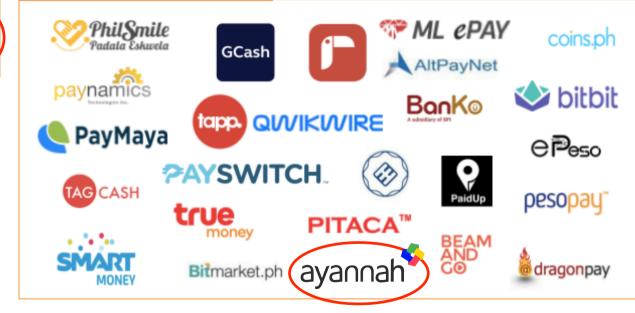


Payroll / HR





Payments & Mobile Wallets





Affordable and Accessible

Digital Financial Services for
the World's Emerging Middle Class





We aim to produce superior returns for our investors while making a difference in the lives of hundreds of millions of people.

We have a full stack of market-proven and award-winning software applications addressing the needs and aspirations of the next two billion people in the world's emerging middle class.

Awards and Recognitions

2017 Visa Global Fintech Finals Winner

2017 The Asian Banker "Remittance Initiative of

2018 IFC Top 100 Fintech Companies Spurring

2017 ASEAN Rice Bowl

"Philippine Start Up of the Year"

We are growing fast and expanding to key emerging markets globally

Financial Inclusion

Featured in

the Year"



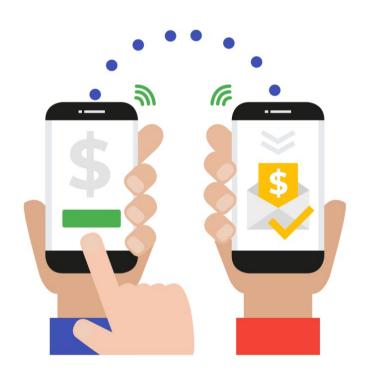












The Opportunity with Cash Remittance

99% of transactions remain in cash.

E-wallet usage is still very low. A "click and mortar" model using agent and retail networks is needed to provide remittance and other financial services to the unbanked but economically active.

The huge remittance flows has spawned a large and profitable cash remittance industry. Leading remittance networks generate over \$150M in profit yearly.



The Problem with Cash Remittance

Sending cash to the countryside is costly and inconvenient.



1. Aling Pining, who lives in the countryside, texts her son, Bryan, who is working in the city or abroad to send cash.



The process can take anywhere from 40 mins to 4 hours. And often, the cash many not be available at the time and point of claim.



There are an estimated 20 million Bryans sending 25 million Aling Pinings in the countryside.



2. Bryan will go to nearest accepting agent to fill up form and send money.



We estimate that there are between 3.5 to 4 million remittance transactions per day and around 15-25% are not fulfilled in a timely manner or not fulfilled at all because of the distance to get to the nearest sending agent and/or because there is no cash in the nearest disbursing agent.



3. To claim her cash, Aling Pining has to travel to the nearest disbursing agent which could be several kilometers away from her village.



Our Solution, Sendah "Network of Networks"

We have made remittances more affordable and accessible by building Sendah, the largest inter-operable payment "network of networks".

We are using the Grab strategy. Like GrabTaxi, we have partnered with incumbents and like GrabCar, we are enabling any individual or retail chain to become a transaction agent or a "human ATM".

By enabling inter-operability and building the largest agent-based transaction network, we have made it cheaper and easier to send and receive cash from anywhere in the world to anywhere in the Philippines.

Our aim is to have transaction agents in every community in the Philippines by 2020 and have the perfect platform to deliver a full stack of digital financial services to the majority of the population.







Partner Agents and Distributors























Partnership with Panalo Express

Panalo Express is the fastest growing transaction network in the PH



Ayannah provides core technology and mobile app to Panalo Express













Our Approach: Enabling A Full Stack of DFS

A full stack of market-proven digital financial services serving the needs of the emerging middle class.

Credit Scoring, Customer Profiling and Engagement

DATA ANALYTICS



Cross-border E-Commerce, Insurance, Investments & Lending-As-A-Service

OMNI-CHANNEL COMMERCE



Remittances and Payments

TRANSACTION NETWORK





Unbanked Market



3 billion middle class by 2020 but most still unbanked



87% of Filipinos are unbanked



81% of Filipinos have experienced borrowing



4% borrow from banks, 12% from financing companies

KayaCrecliprovides lenders with a better way to find quality and responsible borrowers.



For Lenders



Access a network of previously untapped potential clients



Improve portfolio quality and profitability



Verify and identity information provided by borrowers



Scale fast through secure disbursement and collection channels

KayaCredits the Philippines' first credit scoring service using artificial intelligence to incorporate behavioural data to assess the vast majority of Filipinos who are unbanked but are economically active



Alternative Credit Score











Bills Payments

Mobile TopUps

Remittance Transactions

Other Loan Payments

Loyalty Programs

One of the Largest Bills Payment aggregator in the Philippines

- 17 years of payment data
- Over 200 Billers
- 5,000+ Access points
- 7 million transactions per month
- Over 22 million unique customers





Field Verification







Identity

Takes a picture of the person and valid identification card. Clarifies questions answered in the form.

Residence

Validates the residence of the borrower and may perform CI with neighbours

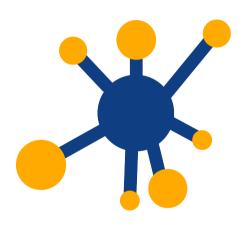
Collateral

Validates the collateral and takes a picture of the item to be mortgaged

Documents

Scans the copies of the documents needed for the loan

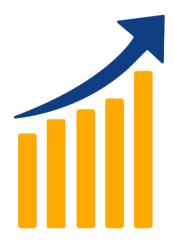
Disbursement and Collection



9,000+ disbursement and collection partners nationwide



Real-time access to up-to-date transaction reports



Security & convenience so you can grow faster

Agents and Distributors























Data Science as a Service





Data Cleaning and Normalization





Visualization and Interactive Dashboards

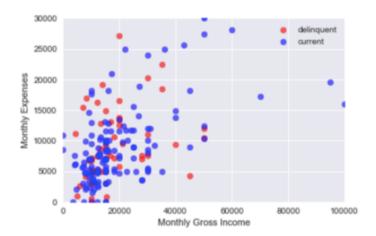




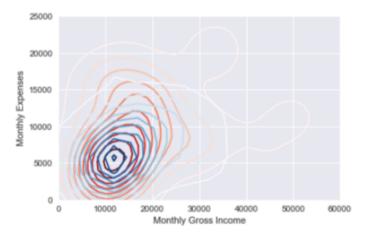
Exploratory Data Analysis and Clustering



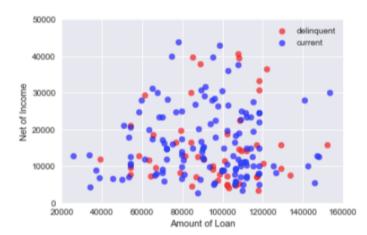
Tailored Services Specific to Your Use Case



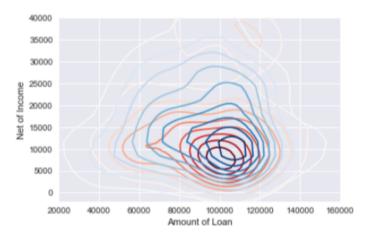
Delinquent borrowers tend to have higher monthly expenses and lower monthly income, as expected. However, it is not readily apparent from the scatter plot above.



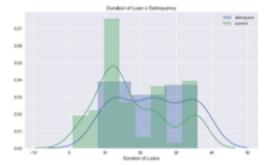
Here is the KDE equivalent of the scatter plot above. Red contour lines signify the delinquent distribution while the blue contours signify the current. Notice that the **red distribution extends upwards more than the blue distribution**, signifying higher values of monthly expenses for delinquents.



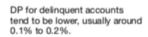
It's hard to see the pattern here, but let's revert to the KDE estimate to smooth out the data.

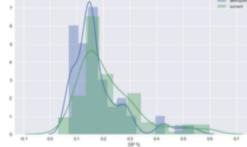


Here we see that the current distribution (blue) is centered more to the right and upward and is left-skewed on the x-axis, while the delinquent distribution is centered below and to the left. The peak loan amount of the current distribution is higher than the delinquent one, but the net income is higher. The delinquent distribution's loan amounts' spread is higher for larger loan amounts.

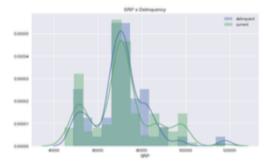


In terms of loan duration, current loans tend to be shorter, peaking at 12 months. Delinquent loans tend to be between 12 to 36 months at equal weight.



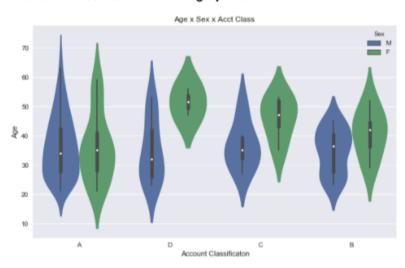


DP % x Delinquency

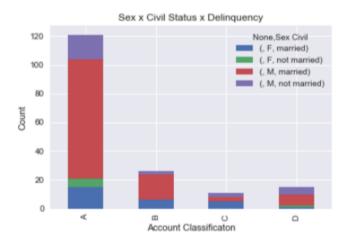


No noticeable distinction between delinquent and current for SRP.

Account classification x Demographics



A-level females have lower age than B-C-D-level females, as we have seen earlier. Males have somewhat constant age (30-40) across levels.

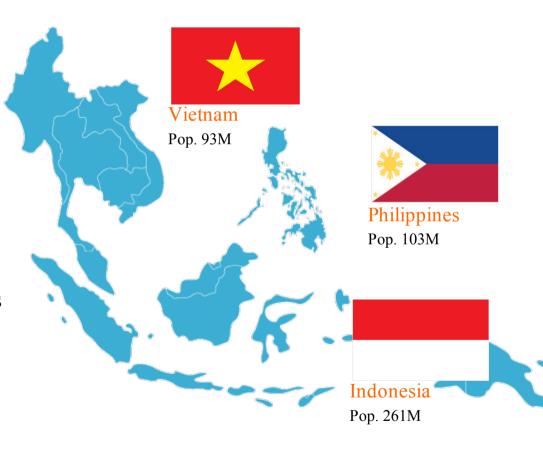


Our "V. I. P." Expansion Plans

Vietnam, Indonesia and Philippines - Home to 500M with median age below 30 and rising incomes

Focus on emerging middle class in both urban and rural areas

Focus on recurring transactions – remittances, bills payment, insurance & credit scoring





• "Very soon, if MFIs don't develop a strategy and implement fintech behind that strategy, I think they will simply become irrelevant and slowly but surely shrink and die," - Graham Wright, Founder and Managing Director of MicroSave

How MFIs Can Use Fintech

- MFIs could potentially use fintech is to set up their own e-money system where majority of loans can be pushed out automatically from the system, and then cashed out and repaid through agents
- MFIs to use their outreach to create a cash-in/cash-out agent network, serving as disbursement and collection agents.
- Use fintech's data capability to facilitate communication, loan decision-making, and other essential banking functions.