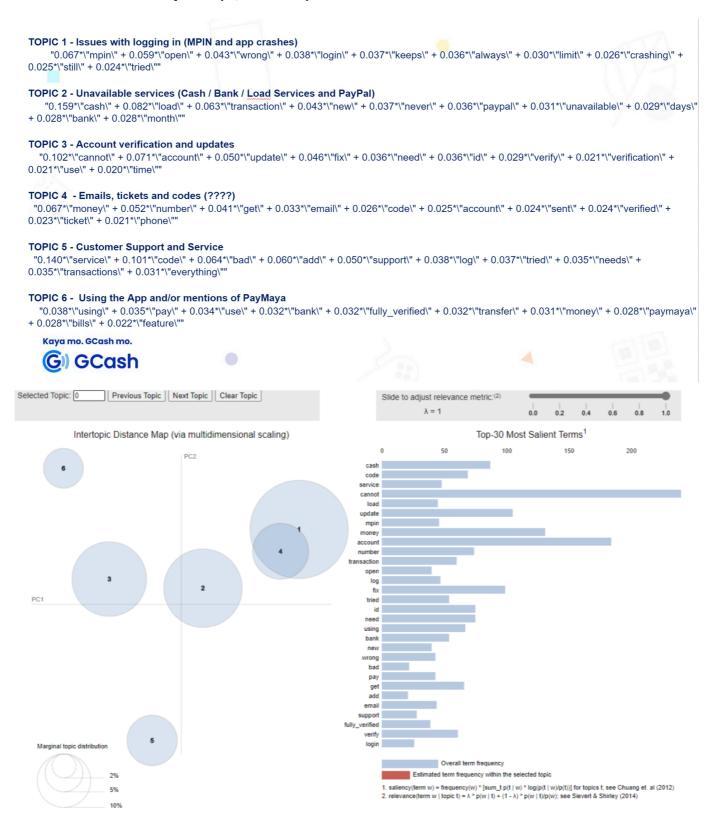
# **Topic Modeling Grouped Reviews**

## **GCash App Store Reviews**

### **Good Reviews Topics (4,5 Stars)**



#### **TOPIC 1 - Login and System errors**

 $"0.103*\\"error\\"+0.074*\\"log\\"+0.050*\\"system\\"+0.048*\\"easy\\"+0.043*\\"gcredit\\"+0.030*\\"anymore\\"+0.023*\\"unreliable\\"+0.023*\\"trash\\"+0.023*\\"useful\\"+0.022*\\"rebates\\""$ 

#### TOPIC 2 - Issues with linked bank and cash transactions and/or mentions of PayMaya

 $"0.121*\cash\ + 0.081*\bank\ + 0.058*\transaction\ + 0.043*\mpin\ + 0.041*\wala\ + 0.029*\transfer\ + 0.024*\linked\ + 0.020*\link\ + 0.020*\transfer\ + 0.024*\linked\ + 0.020*\link\ + 0.020*\transfer\ + 0.020*\transfer\$ 

#### TOPIC 3- Caveat statements (GCash is easy and useful HOWEVER...)

"0.087\*"always" + 0.072\*"service" + 0.046\*"thing" + 0.035\*"login" + 0.033\*"everytime" + 0.033\*"something" + 0.032\*"convenient" + 0.029\*"however" + 0.026\*"user" + 0.024\*"services""

#### TOPIC 4 - Updates and requesting the fixing of app issues

 $"0.102*\cnnot\" + 0.053*\''ix\" + 0.043*\''update\" + 0.036*\''use\" + 0.027*\''using\" + 0.026*\''issue\" + 0.024*\''time\" + 0.023*\''try\'' + 0.022*\''problem\" + 0.021*\''still\'''$ 

#### **TOPIC 5 - User registration and verification**

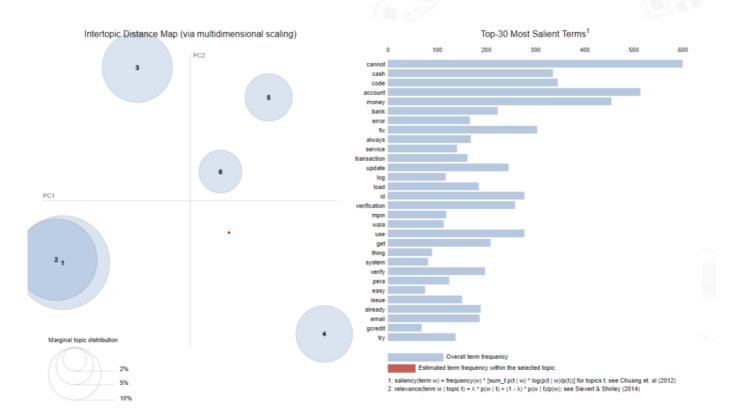
 $"0.067*\account "+0.025*\mbox{"} + 0.036*\"id\" + 0.034*\"verification\" + 0.027*\"get\" + 0.026*\"verify\" + 0.025*\"already\" + 0.024*\"email\" + 0.020*\"customer_service\" + 0.016*\"keep\""$ 

#### **TOPIC 6 - Errors in account balance**

"0.081\*"code" + 0.044\*"load" + 0.029\*"pera" + 0.022\*"could" + 0.021\*"received" + 0.018\*"make" + 0.018\*"able" + 0.018\*"balance" + 0.016\*"first""

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## **GCash Play Store Reviews**

**Good Reviews Topics (4,5 Stars)** 

#### **TOPIC 1 - Customer satisfaction**

 $"0.286*\\"nice" + 0.178*\\"great" + 0.074*\\"excellent" + 0.049*\\"amazing" + 0.027*\\"hassle\\" + 0.024*\\"far\" + 0.022*\\"satisfied" + 0.020*\\"much\\" + 0.018*\\"application\\" + 0.017*\\"wow\\"$ 

#### **TOPIC 2 - Payments, wallet, savings**

 $"0.090*\"awesome\" + 0.071*\"thank\" + 0.043*\"transaction\" + 0.038*\"account\" + 0.038*\"paying\" + 0.033*\"verry\" + 0.027*\"hope\" + 0.017*\"payments\" + 0.017*\"wallet\" + 0.015*\"savings\\""$ 

#### **TOPIC 3 - Easy to use and convenience**

"0.309\*("good(" + 0.084\*)"easy(" + 0.083\*)"use(" + 0.078\*)"convenient(" + 0.066\*)"ok(" + 0.066\*)"love(" + 0.043\*)"helpful(" + 0.042\*)"bills(" + 0.037\*)"pay(" + 0.021\*)"useful(")"

#### TOPIC 4 - Transfer money + bank services (in a positive context [fast etc])

 $"0.090*\\"money\\"+0.041*\\"fast\\"+0.040*\\"bank\\"+0.040*\\"service\\"+0.036*\\"transfer\\"+0.031*\\"payment\\"+0.029*\\"update\\"+0.025*\\"happy\\"+0.023*\\"problem\\"+0.021*\\"send\\""$ 

#### TOPIC 5 - GCash being the best app

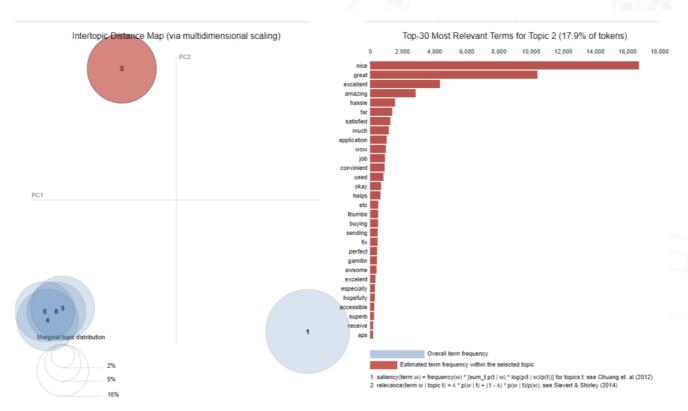
 $"0.147*\\"useful" + 0.142*\\"apps" + 0.059*\\"best" + 0.044*\\"thanks" + 0.039*\\"really" + 0.034*\\"transactions" + 0.033*\\"cannot" + 0.033*\\"help" + 0.030*\\"need" + 0.027*\\"time\\""$ 

#### TOPIC 6 - Gcredit, Buying load, Online experience

 $"0.088*\\ "load" + 0.052*\\ "cash" + 0.037*\\ "free" + 0.037*\\ "using" + 0.036*\\ "buy" + 0.029*\\ "online" + 0.026*\\ "experience" + 0.019*\\ "gcredit" + 0.017*\\ "always" + 0.016*\\ "access" "$ 

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## **Bad Reviews Topics (1,2,3 Stars)**

#### **TOPIC 1 - App updates**

 $"0.053*\\"update\\"+0.051*\\"use\\"+0.049*\\"money\\"+0.039*\\"cash\\"+0.038*\\"load\\"+0.022*\\"time\\"+0.026*\\"need\\"+0.023*\\"using\\"+0.022*\\"already\\"+0.022*\\"already\\"+0.022*\\"get\\""$ 

#### TOPIC 2 - Logging in problems w/ MPIN

 $"0.060*\\"fix\\"+0.040*\\"problem\\"+0.038*\\"mpin\\"+0.032*\\"says\\"+0.030*\\"tried\\"+0.028*\\"code\\"+0.026*\\"id\\"+0.026*\\"id\\"+0.024*\\"log\\"+0.021*\\"card\\"+0.019*\\"register\\""$ 

#### TOPIC 3 - Mixed sentiment reviews (Gcash is good BUT...)

 $"0.044*\good\" + 0.042*\good\" + 0.022*\" + 0.022*\" + 0.017*\" + 0.015*\" + 0.015*\" + 0.013*\" + 0.012*\"$ 

#### **TOPIC 4 - App maintenance**

 $"0.157*\cannot\" + 0.095*\account\" + 0.067*\"always\" + 0.046*\"still\" + 0.036*\"error\" + 0.029*\"open\" + 0.017*\"balance\" + 0.017*\"verify\" + 0.015*\"days\" + 0.014*\"work\""$ 

#### **TOPIC 5 - Account verification**

"0.041\*"verified" + 0.032\*"apps" + 0.032\*"wala" + 0.031\*"try" + 0.029\*"fully" + 0.025\*"pera" + 0.020\*"link" + 0.016\*"nice" + 0.015\*"almost" + 0.015\*"hard""

#### **TOPIC 6 - Poor customer service**

"0.055\*"email" + 0.040\*"email" + 0.019\*"poor" + 0.018\*"got" + 0.017\*"email" + 0.019\*"poor" + 0.018\*"got" + 0.017\*"email" + 0.016\*"email" + 0.016\*"email" + 0.016\*"email" + 0.016\*"email" + 0.016\*"email" + 0.018\*"email" + 0.018\*"email" + 0.018\*"email" + 0.019\*"email" + 0.019\*"email"email"email" + 0.019\*"email"em

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