

COMPARING MOBILE ANDROID AND IOS APPLICATIONS

Eric UWAYEZU

E-mail: euwayezu@my.bridgepot.edu

Advisor: Dr. Nasir Jamil Sheikh

Department of Technology Management, School of Engineering
University of Bridgeport, Bridgeport, Connecticut, USA



ABSTRACT

- The most used mobile applications are Android and IOS. Because those two are most popular, we are going to talk about their core features, functions and see their difference. Their market share in US and world.
- The methodology used is called the Systematic review of Android and iOS apps to show the majors differences and similarities between the most used mobile applications.
- Findings are based on how these two applications are used in our daily life in United States and around the world depending on the individual preferences based on the key defined differences and similarities.

RESEARCH QUESTIONS.

- What are the differences between android and ios Applications?
- What are the similarities on both android and ios applications?
- How both mobile applications are used in the population?

Differences between Android and IOS

- Android users are more price sensitive segment and belong to developing countries while iOS belong to developed countries and financially well off.
- Speaking of Android devices, users need to take some of action when they receive a push of notification while iOS based phones, the push notification disappears soon after appearing on the lock screen.

Below are more differences ,some of them are technical based.

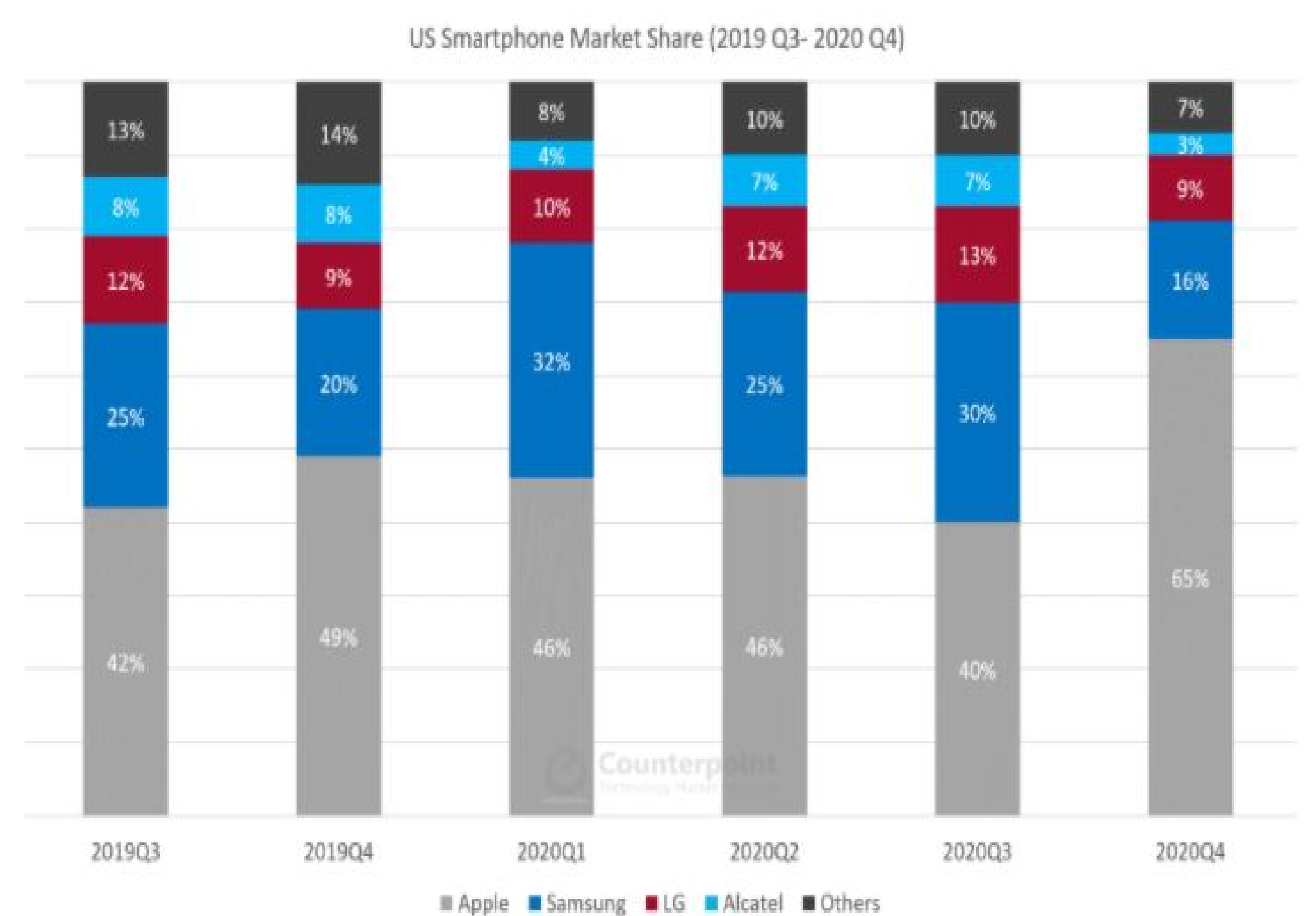
Attributes	Android	IOS
Developer	Google	Apple
OS Family	Linux	OS X, Unix
Widgets	Yes	No, except in NotificationCenter
Programmed in	C, C++, java	C, C++, objective-C
Messaging	Google Hangouts	iMessage
Internet browsing	Google Chrome (or Android Browser on older versions)	Mobile Safari
Source model	Open source	Closed, with open source components.
Video chat	Google Hangouts	Facetime
App store	Google Play – 1,000,000+ Apps. Other app stores like Amazon and Getjar also distribute Android apps.	Apple app store – 850,000+ Apps
Device manufacturer	Google, LG, Samsung, HTC, Sony, ASUS, and many more	Apple Inc

Similarities between Android and iOS

Attributes	Android	IOS
Dependent on a PC or a Mac	No	No
Interface	Touch screen	Touch screen
Working state	Current	Current

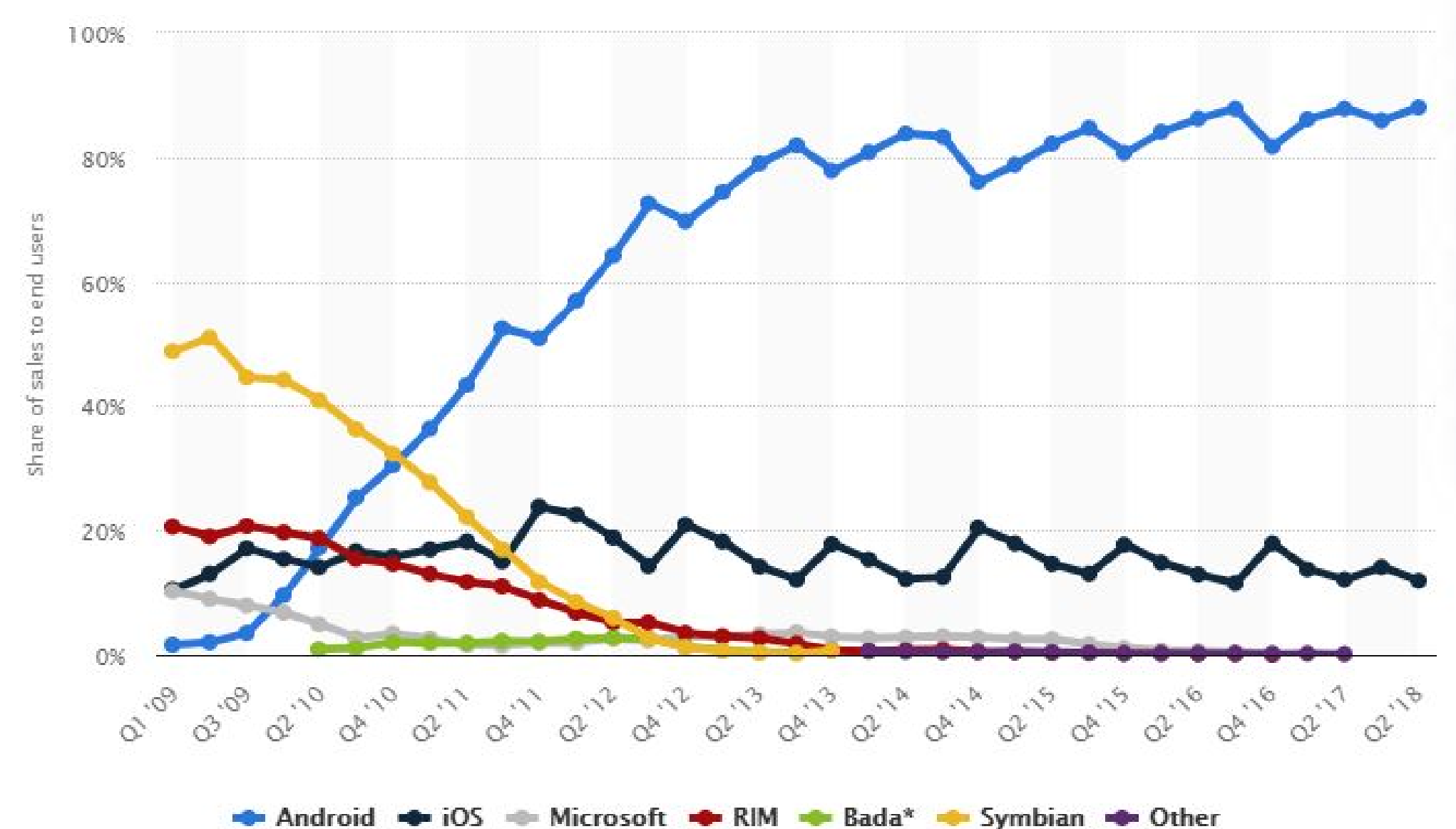
RESULTS: Mobile Operating Systems in the United States

The iOS is leading the way in the US in recent months, According to the graph below apple is leading the market with 65% usage in Q4.



RESULTS: Global market share on Smartphone OS sales(From Q1 2009 to Q2 2018).

According to the graph Android and iOS are two leading mobile applications in the entire world which shows how those two Apps are more competitive than other mobile apps on the market with Android App leading the way with



Conclusion

- After going through the concepts between iOS and Android, it is very difficult to do the prediction on the best mobile app on the market because both companies are very creative on the market.
- The customer to choose which one to use, the customer has to know the advantages and disadvantages on both mobile applications before you buy the device using your preferred application. And on the network tasks the android app has more advantage compared to the ios, While on the security and privacy the ios has more advantage than Android.