Technology **S**cience Information Networks Computing



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New Media Product Design and Development

Lecture 1. Introduction

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Part 0 1 Media? New Media? New Media Product?

An English test

Which one is correct?





(A). is (B). are

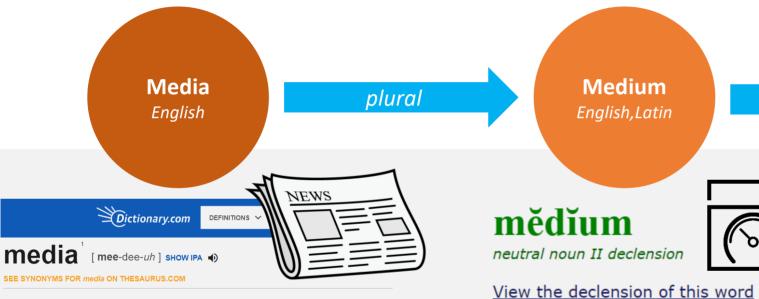
What ____ old media?

(A). is (B). are



Language is moving

Where is the word "MEDIA" from?



noun

- 1 a plural of medium.
- 2 (usually used with a plural verb) the means of communication, as radio and television, newspapers, magazines, and the Internet, that reach or influence people widely: The media are covering the speech tonight.

- 1 middle, centre
- 2 medium, mean
- 3 midst, community, public
- 4 publicity

ORIGIN OF MEDIUM

1575–85; < Latin: the middle, noun use of neuter of *medius* middle.

neutral noun

Medius Latin mědĭus

View the declension of this word

- 1 middle, middle of, mid
- 2 common, neutral, ordinary, moderate
- 3 ambiguous

adjective I class



medius [mee-dee-uhs] show IPA

noun, plural me·di·i • [mee-dee-ahy] . Anatomy.

1 the middle finger.

Usage note for "MEDIA"



USAGE NOTE FOR MEDIA

Media, like data, is the plural form of a word borrowed directly from Latin. The singular, меdium, early developed the meaning "an intervening agency, means, or instrument" and was first applied to newspapers two centuries ago. In the 1920s меdia began to appear as a singular collective noun, sometimes with the plural меdias. This singular use is now common in the fields of mass communication and advertising, but it is not frequently found outside them: The media is (or are) not antibusiness.

1800 A.D. THE INDUSTRIAL REVOLUTION

The history of media

■ Reference*



The newspaper was invented in Rome in the year 59 B.C. The first newspaper, "Acta Diurna," was a daily account of senate proceedings that was published for the citizens.

The first regular, weekly newspaper was published in Antwerp in the year 1605. The oldest continuously operating newspaper in the world as of 2014 is Sweden's "Post-och Inrikes Tidningar," which has been in print since 1645. The first newspaper to be published in America was "Publick Occurences," which began in 1690. At the height of the industry in the late 19th century, there were more than 5,000 newspapers in circulation throughout the country. Today, there are just under 1,500 newspapers in the United States, with a total circulation of about 55 million.

REF: https://www.reference.com/history/year-newspaper-invented-9b4163190860a3ac https://www.soubct.com/info/80.html

邸报才是世界上最早的报纸

⑤ 时间: 2018-03-02 11:55 ④ 阅读量: 206

据调查, 我国的邸报是世界上最早的报纸。

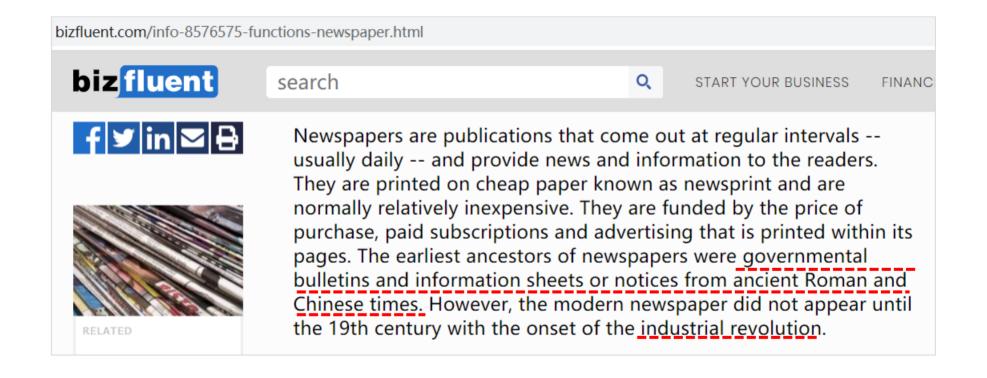
然而以前西方有不少人都认为最早的报纸是罗马帝国凯撒大帝在公元前59年 所创建的《每日纪闻》,那是一种传递紧急军情的官报,但是报纸的寿命不长, 不久就停办了。就办报年代而言,我国的 晒要比《每日纪闻》早得多。



西汉实行郡县制,全国分成若干郡,郡下再分若干县。各郡在京城长安设立驻京办事处(那时叫"邸"),派有常驻代表,相当于皇帝和各郡首长之间的联络官。"邸报"就是那些联络官定期把皇帝谕旨、臣僚奏议等官方文书以及宫廷大事等有关的政治情报,写在竹简或绢帛上,然后派遣信使,通过驿道,传送给各郡长官。最早的"邸报"出现在西汉初年公元前2世纪左右,比罗马帝国的《每日纪闻》大约要早一百年。

The history of media

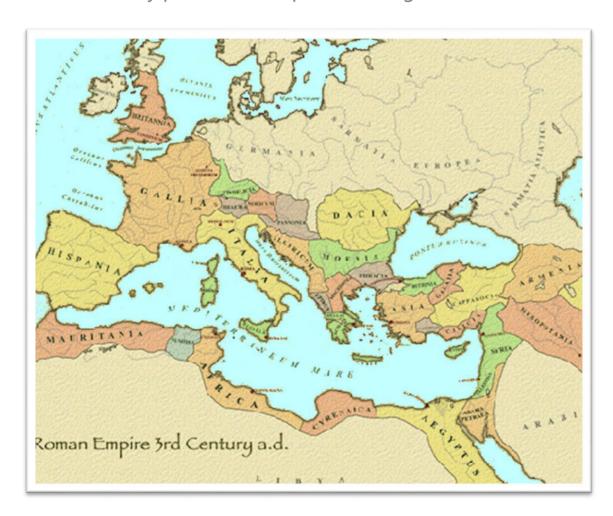
A conclusion

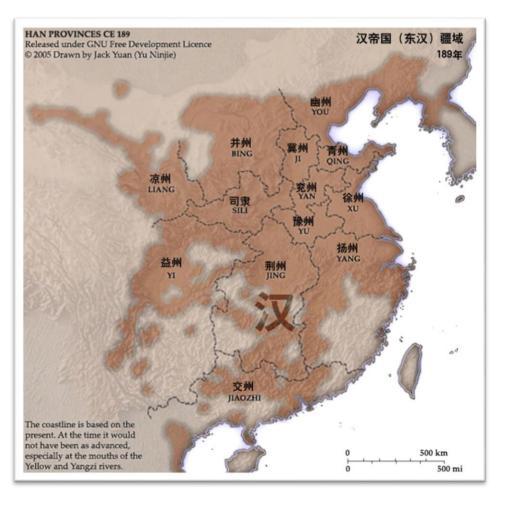


Why both Roman and Han need newspaper?

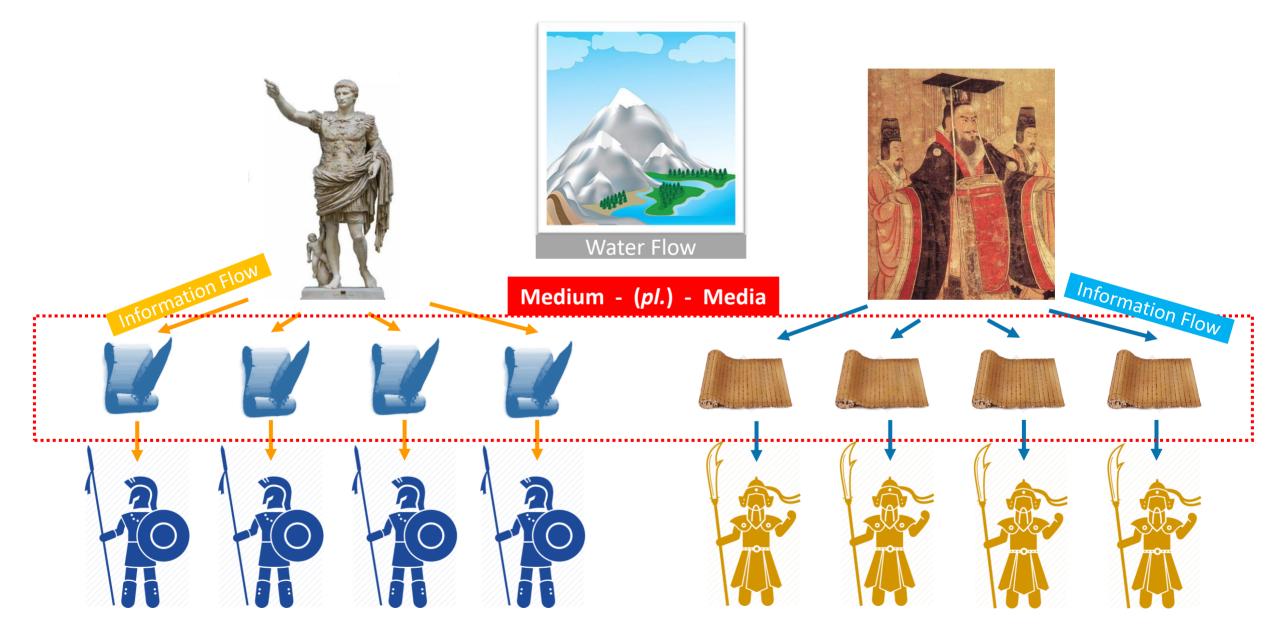
A requirement from central government:

To control every part of the empire, central governments need to inform the officials to follow their command.





Medium and Information Flow



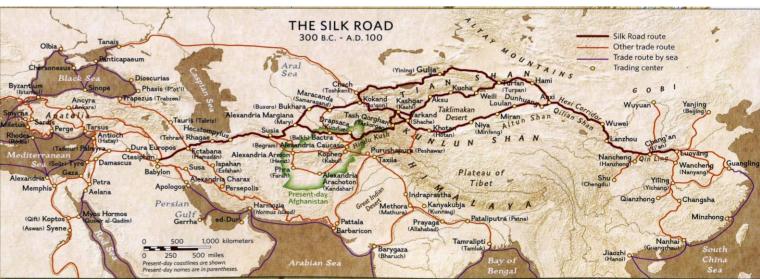
The emperors are the first media product manager

SIMILARITIES Business Requirements Product Design Quality Assurance Produce Release goat skin order the officials to implement system → parchments goat skin anti-fake follow the commands from central bamboo bamboo royal-made deliver system government → bamboo slips **DIFFERENCE** THE SILK ROAD

Cost Reuse parchments: expensive parchments: wash, bleach, scrape

bamboo: cheap

Bamboo: scrape



Information release 1: courier station

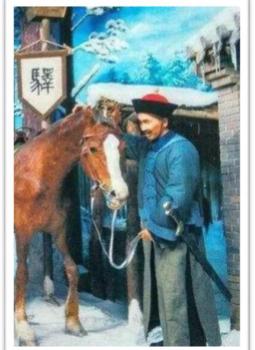
Ancient media: horse-based media

(~1853 Crimean War)

	Ancient Media
Media Types	Horse-based media
Media Owner	Government
Writer	Emperor, Officials
User Interface	Parchments; Bamboo slips; Paper
Information Carrier	Horse
Response Time	Several days/months/years
Propagation mode	Point to point
Technical Skills	Parchments/Bamboo slips/Paper making; Horse breeding; Write/Scrape/Print
Business Flow	Sending messages by riding a horse







Information release 2: from telegraph to television

Traditional media: electricity-based media

(1853 Crimean War ~ 1994 Internet Commercial Use)

	Traditional Media
Media Types	Electricity-based media
Media Owner	News agency
Writer	Journalist
User Interface	Telegraph-based newspaper, film, radio, television
Information Carrier	Cable, wireless
Response Time	Hours, weeks
Propagation mode	Point to point / point to all
Technical Skills	Electronics, machine, write, camera
Business Flow	message-telegram-news-newspaper Photo-fax-news-newspaper Message, audio-telegram, telephone-news-radio Video-transport-news-film, television

The term "New Media" was firstly mentioned in 1960s, obviously for TV, which is not accepted as a "New Media" today.















Information release 3: Web pages

Digital media: web-based media

(1994 Internet Commercial Use ~ 2007 iPhone)

	Digital Media
Media Types	Web-based media
Media Owner	Internet company
Writer	Staff
User Interface	Webpages
Information Carrier	Internet
Response Time	minutes
Propagation mode	point to all, many to many
Technical Skills	Computer science, networks
Business Flow	information-email/content system-webpages BBS, Chatrooms, ICQ, QQ, MSN











A client-client communication software is not a media at that time. But websites are definitely treated as new media platforms.



Information release 4: apps

Smart media: algorithm-based media (2007 iPhone~)

	Smart Media
Media Types	Algorithm-based media
Media Owner	Individual
Writer	Everyone
User Interface	Apps
Information Carrier	Mobile phone, Internet of things
Response Time	seconds
Propagation mode	All to all
Technical Skills	Artificial intelligence, big data, block chains
Business Flow	Client – Internet- client Sensor – Internet- client

Since social media becomes a new type of new media, interactions between users have been treated as an fundamental feature of new media.

写稿机器人日产稿件2000篇,未来的记者怎么办?







"今天,不少人都通过新闻客户端获取信息。可能大部分人根本分不清楚,自己接受到的信息究竟是记者写的,还是机器写的。因为,一些商业客户端目前的AI(人工智能)写作已经达到了日产2000多条。"昨天,在复旦大学新闻学院举行的"转型与创新:媒体融合背景下的新闻传播教育共同体构建"国际高峰论坛上,中国社会科学院新闻与传播研究所所长唐绪军分享的这则案例,是当下从事新闻传播教育的学者们最关心的话题之一。





Sensor kit components from air quality project. Photo by Amy Schmitz Weiss.

"Sensor journalism can be defined as the as the act in which sensors are used as part of the newsgathering and reporting process for a specific kind of story that requires a sensor to gather and report data."





以上信息由地震信息播报机器人于2019年5月 22日9时0分18秒自动产出,用时18秒,公测 阶段仅供参考。

Current New Media Industry

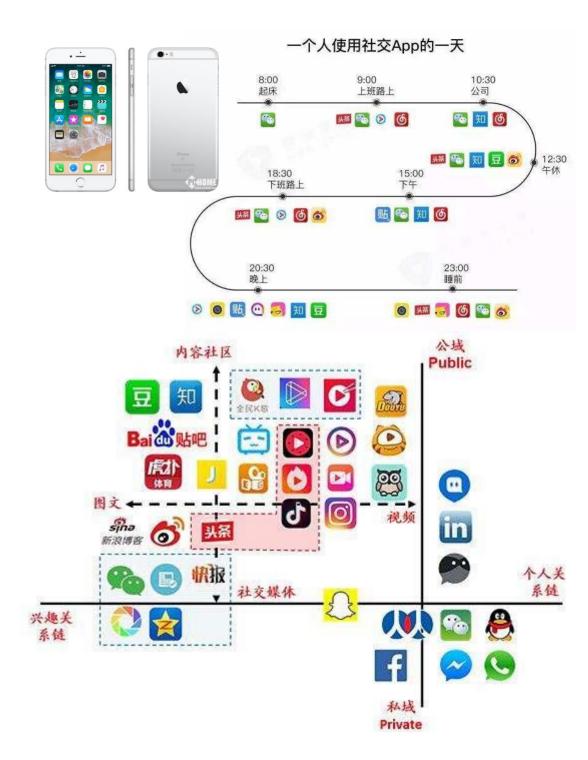
Article:

- Shorter is better
- Video is better
- Robots can write

Time spending:

- People spend more and more time on apps
- few people still read newspaper, listen to the radio, and watch TV

What is the next New Media Product?
We need a breakthrough.



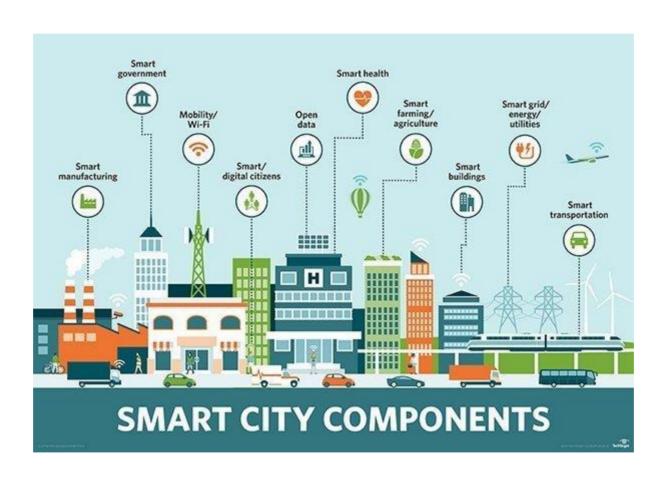
"News" and "New Media" should be redefined



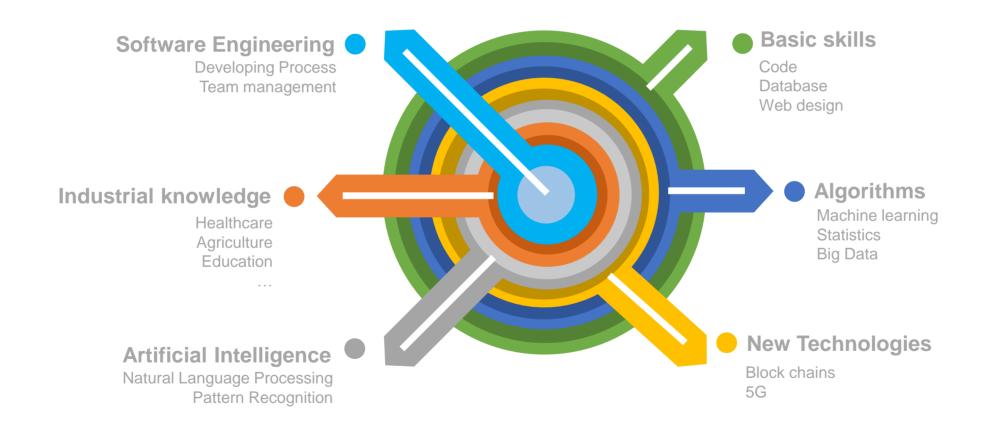
The only true headlines are the things you care about

What is News? What is New Media? You should define it by yourself.

Hints: smart city, smart media

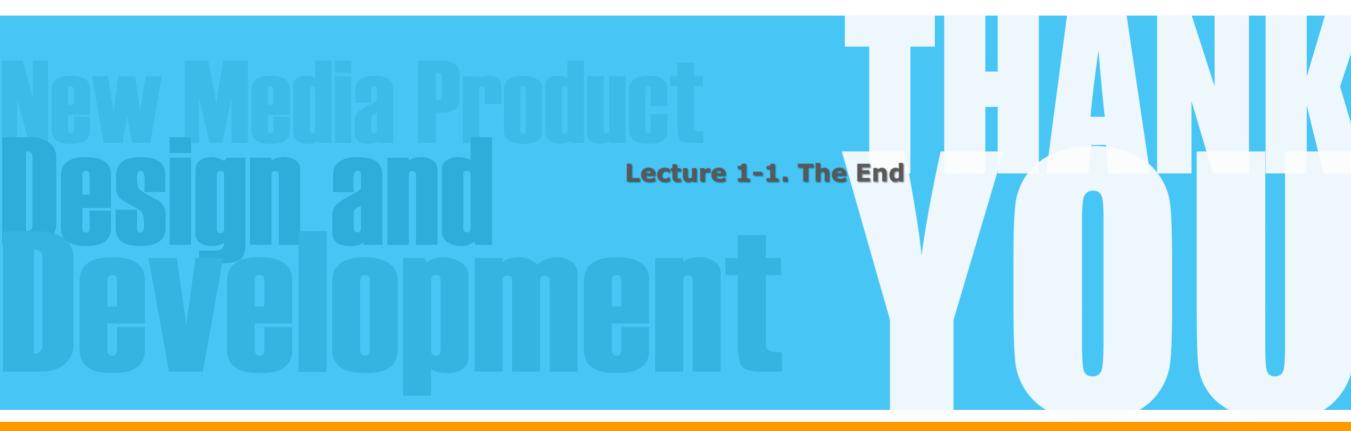


Technologies, you must know!



Conclusion

As a product manager, you should know technologies.



Dr. Ting WANG





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