

# Project Status Update

**Lily Cai** 





#### **Contents**

- 1. Introduce my topic
- 2. Explain why I chose this topic
- 3. Explain what I have done so far



### What's my topic?



What's my topic?

How has technology been used in the financial world?





# Why did I choose this topic?



#### Why did I choose this topic?

#### Formal: Academic curiosity





## What have I done so far?



1960s

 Development of electronic systems such as ATS

1970s

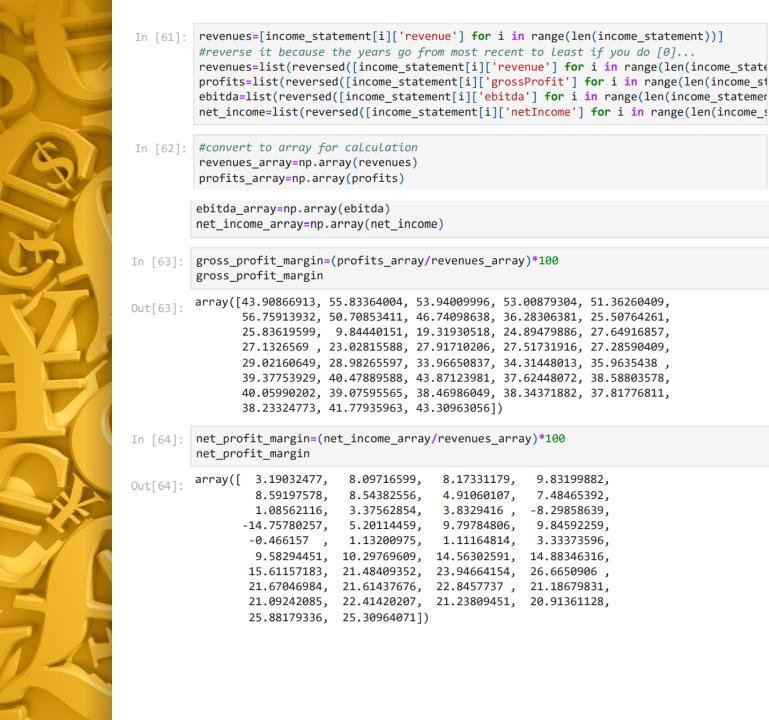
Introduction of ATM

1980s

- Personalized computers and internet
- Online trading platforms (ex: E\*TRADE)

2000s

- Rise of mobile devices
- Cryptocurrency, blockchain



### Using tools such as python to automate and construct financial model

	September 24,	September 25,	September 26,
	2022	2021	2020
Net sales:			
Products	\$ 316,199	\$ 297,392	\$ 220,747
Services	78,129	68,425	53,768
Total net sales	394,328	365,817	274,515
Cost of sales:			
Products	201,471	192,266	151,286
Services	22,075	20,715	18,273
Total cost of sales	223,546	212,981	169,559
Gross margin	170,782	152,836	104,956
Operating expenses:			
Research and development	26,251	21,914	18,752
Selling, general and administrative	25,094	21,973	19,916
Total operating expenses	51,345	43,887	38,668
Operating income	119,437	108,949	66,288
Other income/(expense), net	(334)	258	803
Income before provision for income taxes	119,103	109,207	67,091
Provision for income taxes	19,300	14,527	9,680
Net income	\$ 99,803	\$ 94,680	\$ 57,411
Earnings per share:			
Basic	\$ 6.15	\$ 5.67	\$ 3.31
Diluted	\$ 6.11	\$ 5.61	\$ 3.28
Shares used in computing earnings per share:			
Basic	16,215,963	16,701,272	17,352,119
Diluted	16,325,819	16,864,919	17,528,214
Gross Profit Margin	43%	42%	38%
Net Profit Margin	25%	26%	21%