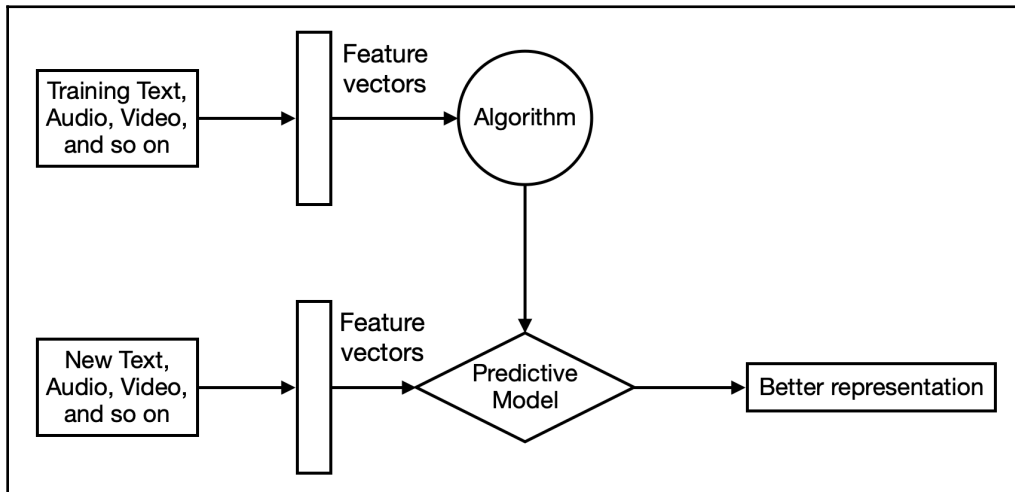
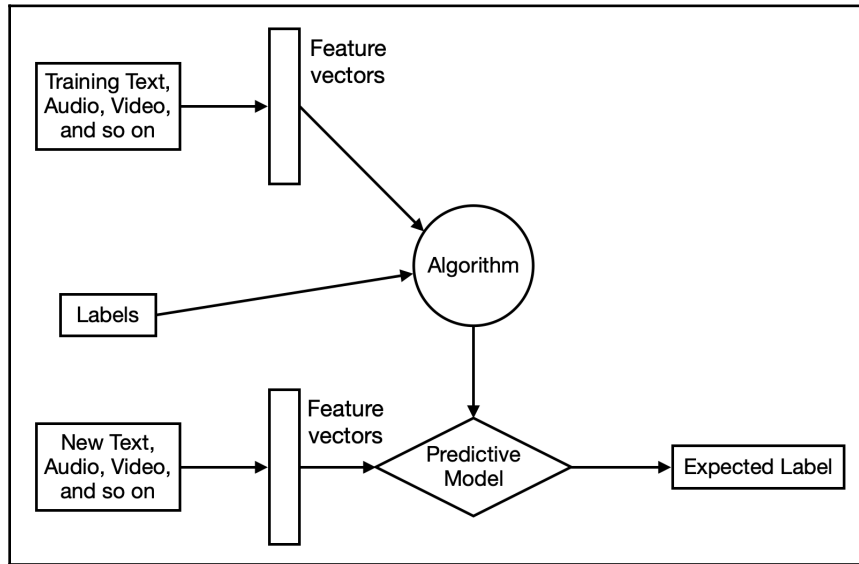
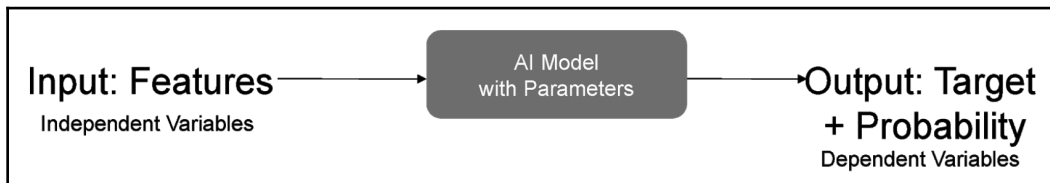
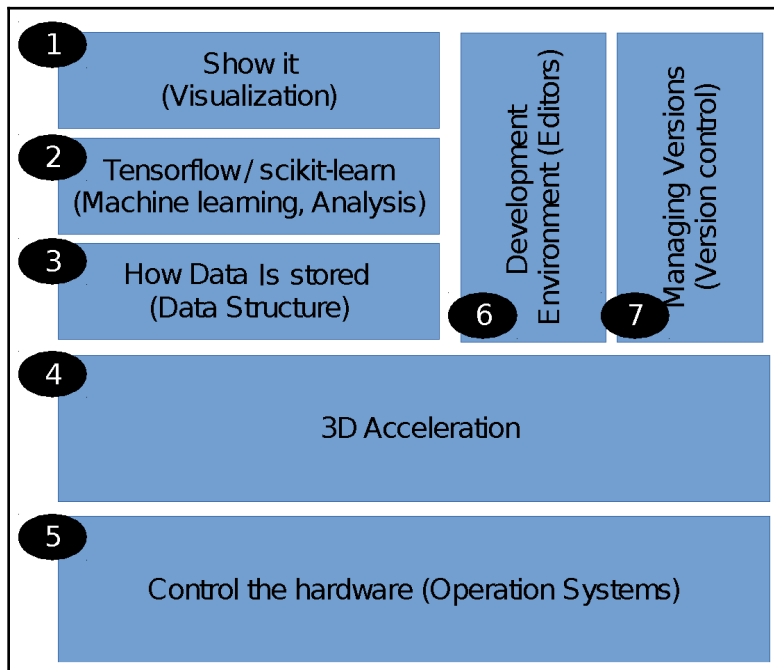
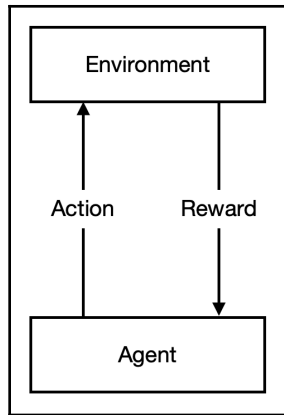


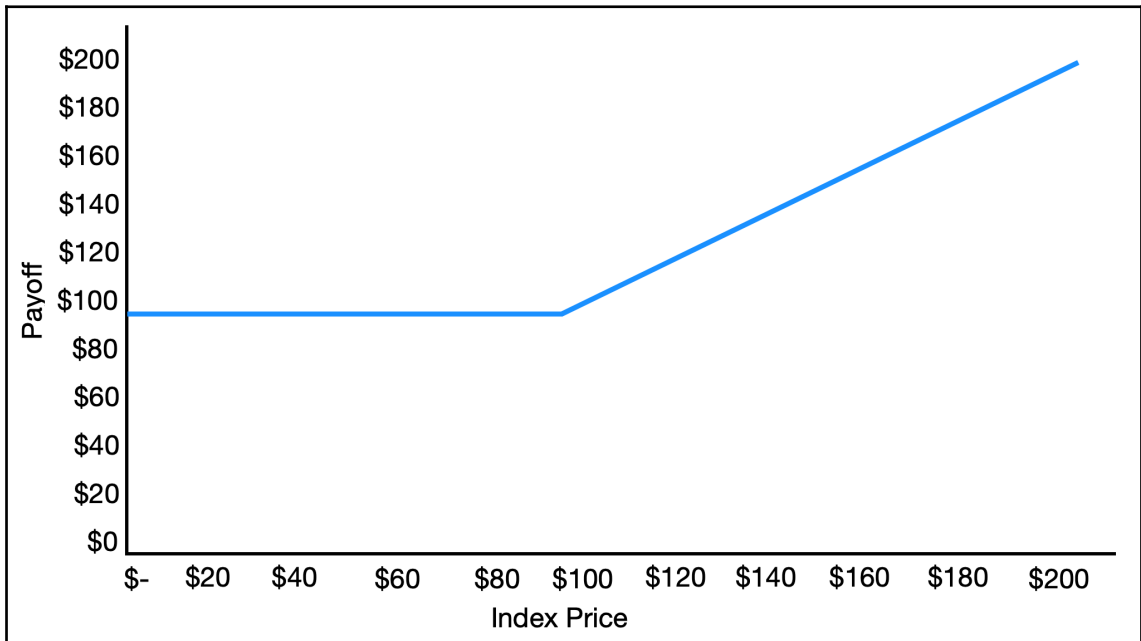
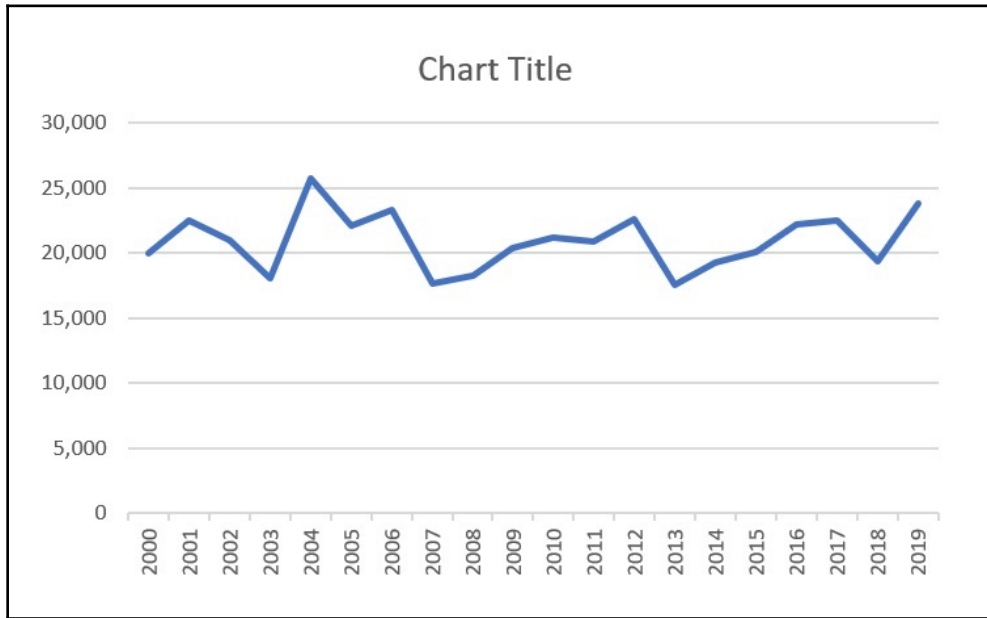
Chapter 1: The Importance of AI in Banking

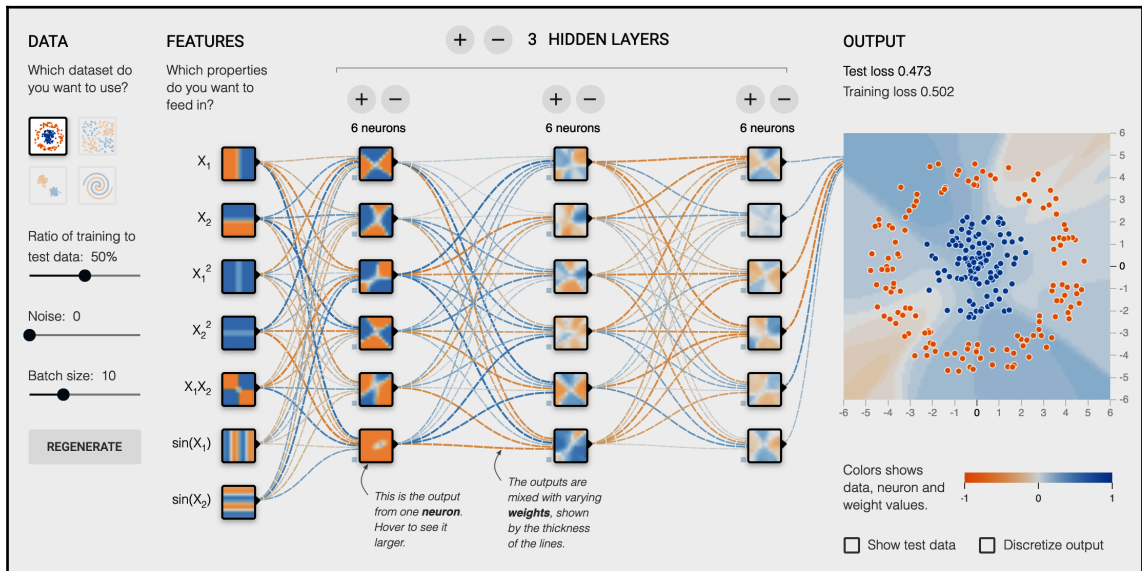
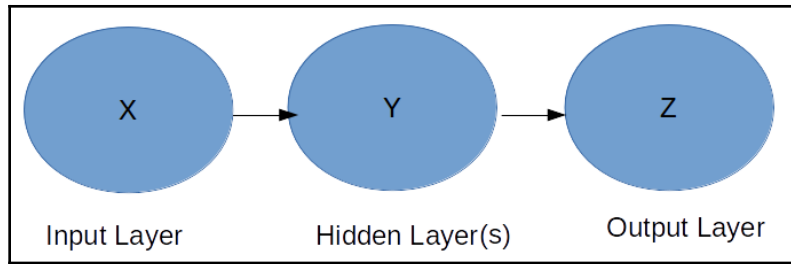






Chapter 2: Time Series Analysis





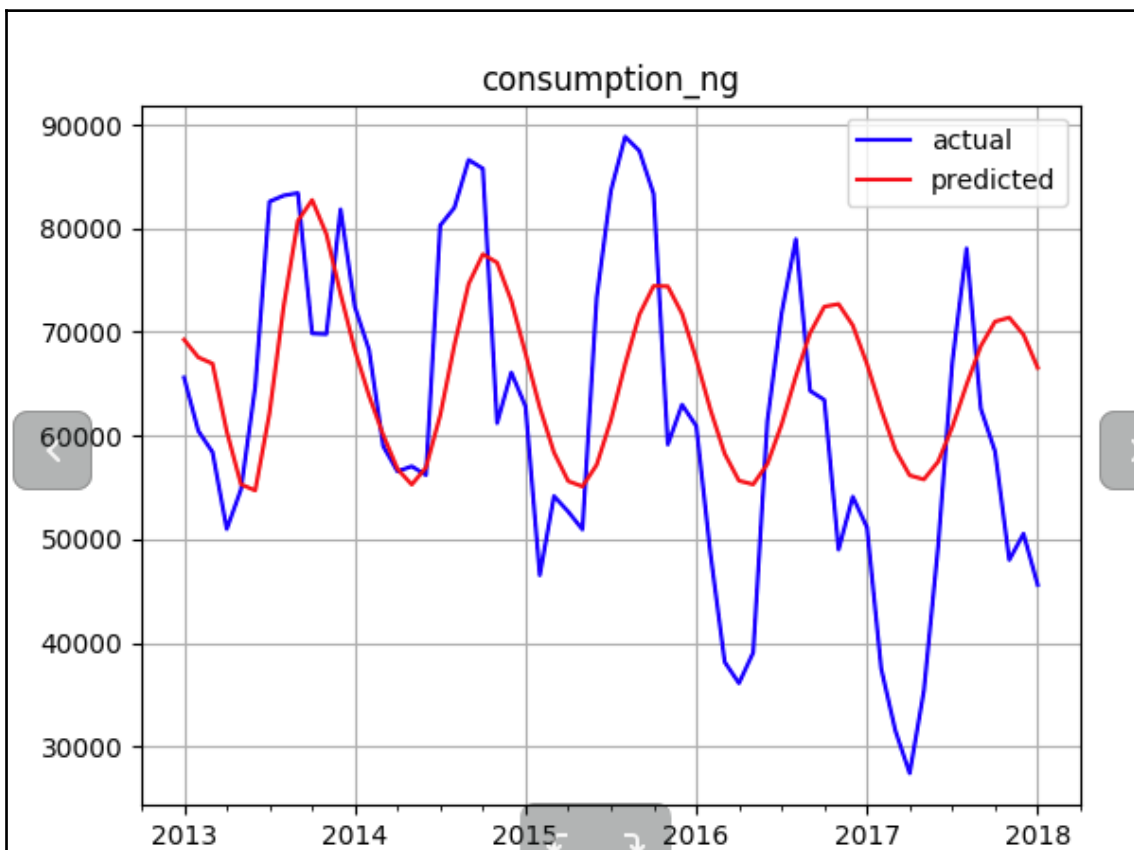
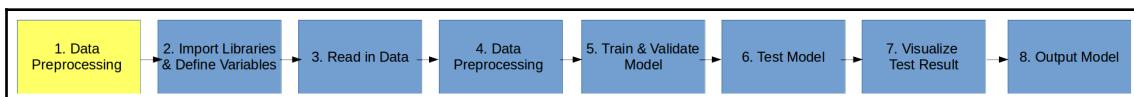
A	B
Average cost of fossil fuels for electricity generation coal California electric power (to https://www.eia.gov/opendata/qb.php?category=41619&sdid=ELEC.COST.COW-CA-98.M 08:07:14 GMT+0800 (HKT)	
Source: U.S. Energy Information Administration	
Month	Series ID: ELEC.COST.COW-CA-98.M dollars per tons
Jan 2018	0
Dec 2017	0
Nov 2017	0
Oct 2017	0
Sep 2017	0
Aug 2017	0
Jul 2017	0
Jun 2017	0
May 2017	0
Apr 2017	0
Mar 2017	0
Feb 2017	0
Jan 2017	0

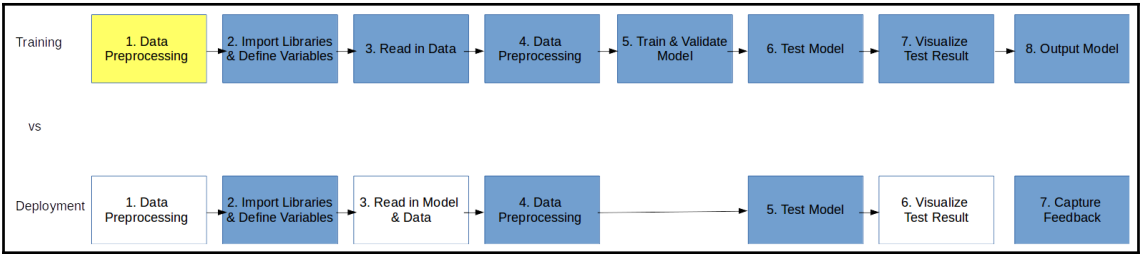
DUKE ENERGY CORPORATION

CONSOLIDATED STATEMENTS OF OPERATIONS

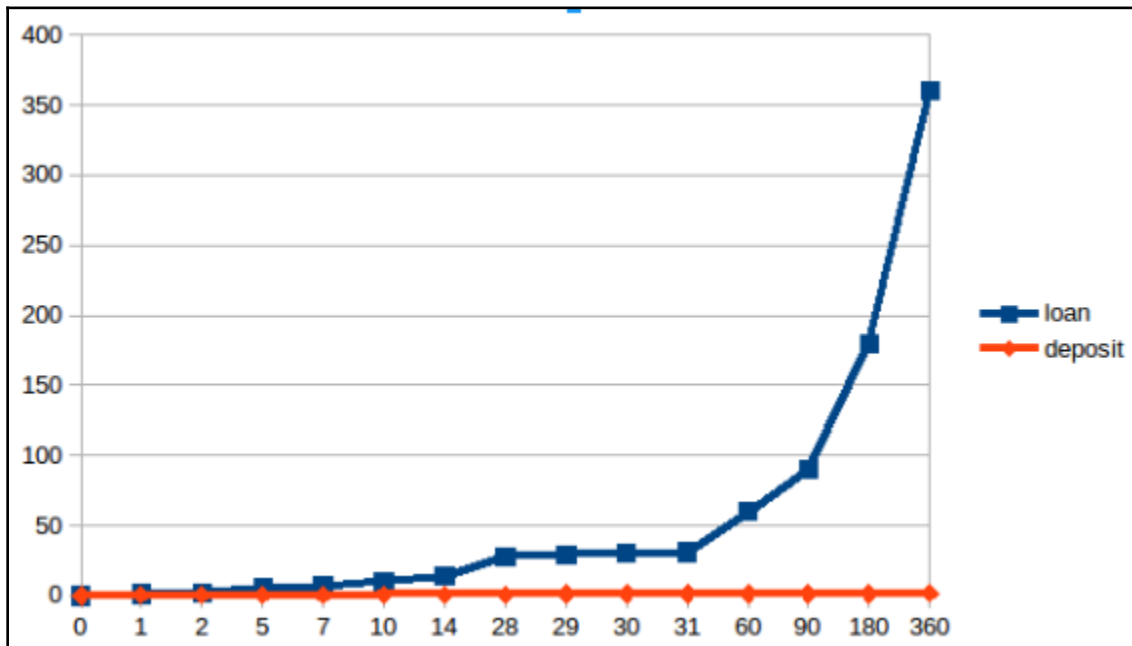
(in millions, except per share amounts)	Years Ended December 31,		
	2017	2016	2015
Operating Revenues			
Regulated electric	\$21,177	\$21,221	\$21,379
Regulated natural gas	1,734	863	536
Nonregulated electric and other	654	659	456
Total operating revenues	23,565	22,743	22,371
Operating Expenses			
Fuel used in electric generation and purchased power	6,350	6,625	7,355
Cost of natural gas	632	265	141
Operation, maintenance and other	5,788	6,085	5,539
Depreciation and amortization	3,527	3,294	3,053
Property and other taxes	1,233	1,142	1,129
Impairment charges	282	18	106
Total operating expenses	17,812	17,429	17,323

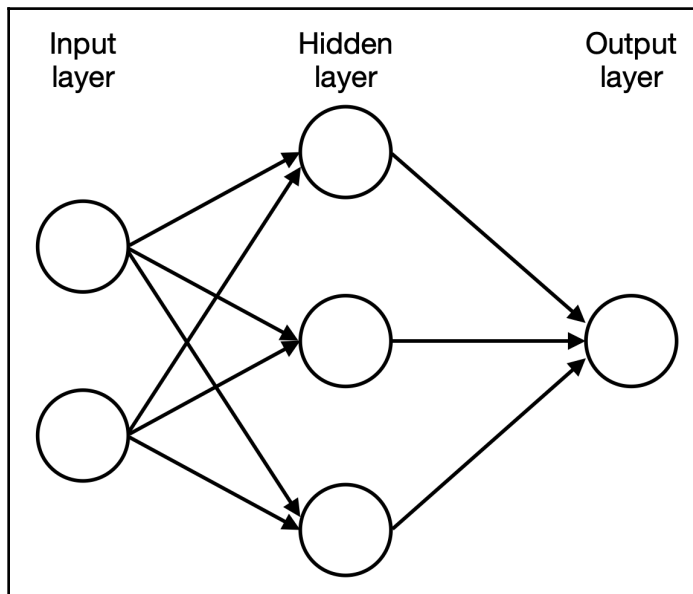
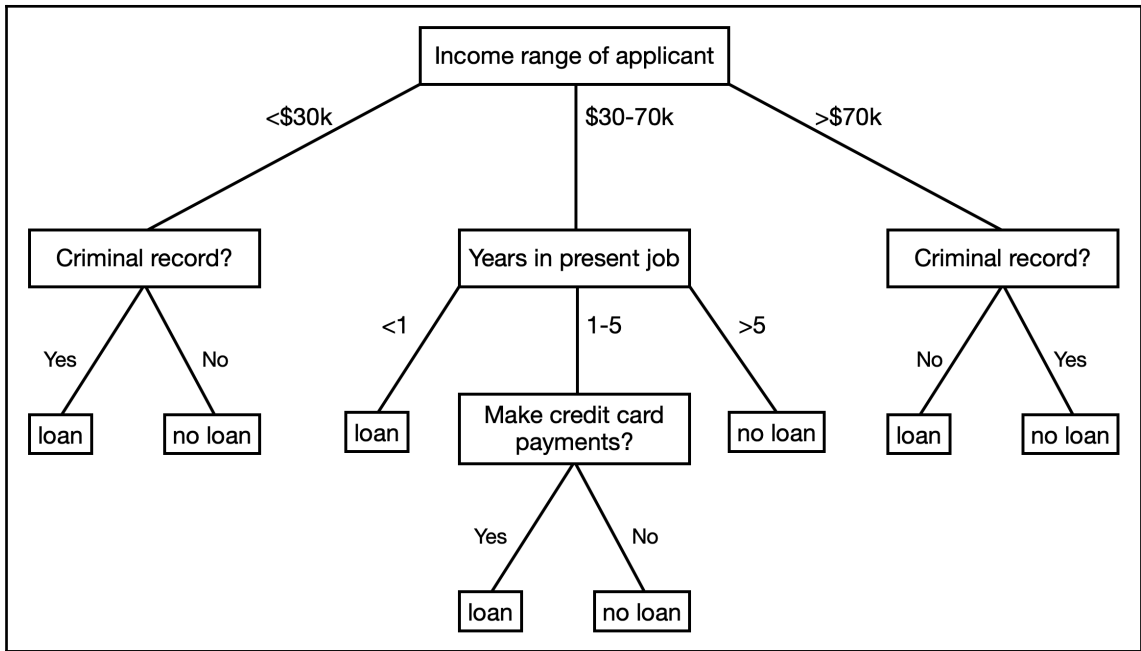
	2017	2016	2015	Source
(i) Sales of regulated natural gas	1734	863	536	Duke Energy
(ii) Cost of natural gas	632	265	141	Duke Energy
(iii) = (ii)/(i) Cost of natural gas to sales	36.45%	30.71%	26.31%	calculated
(iv) Unit Weight Avg Mth Unit cost (\$million/mcf)	3.91	3.18	3.44	US EIA – California
(v) = (iii) / (iv) conversion of Unit Cost to Cost of Materials rat	9.32%	9.66%	7.66%	calculated
(vi) = Weighted average of v by (i)	9.18%	9.18%	9.18%	calculated

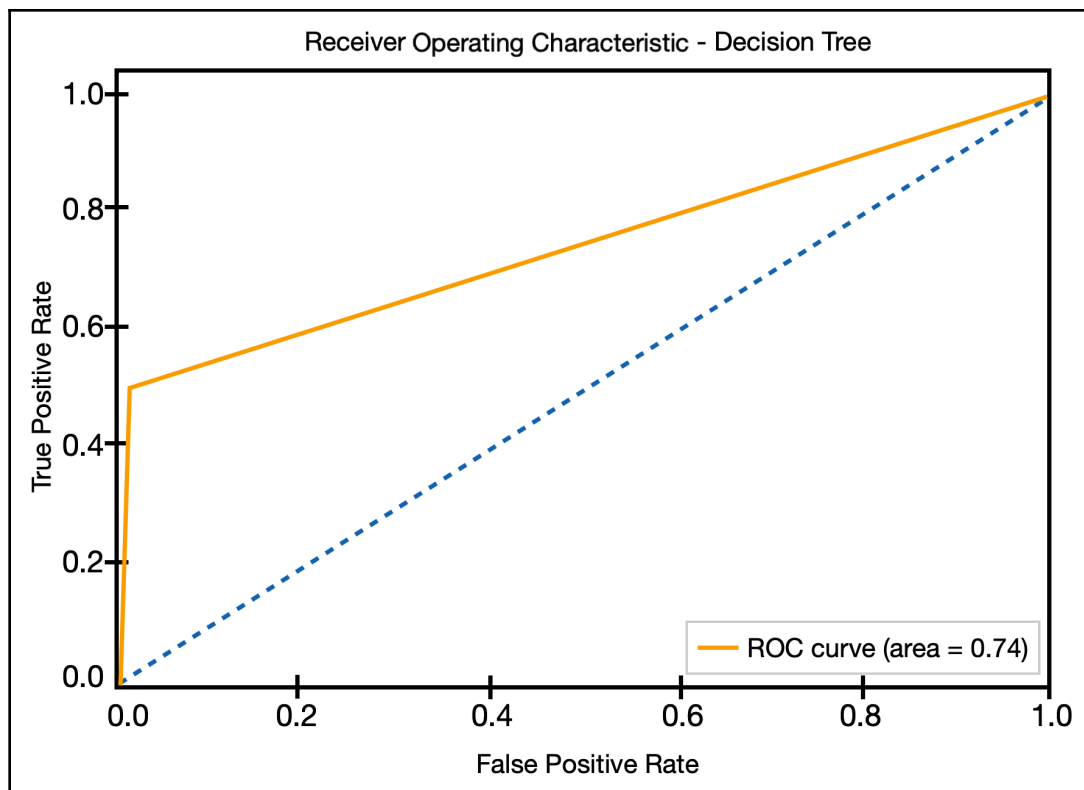




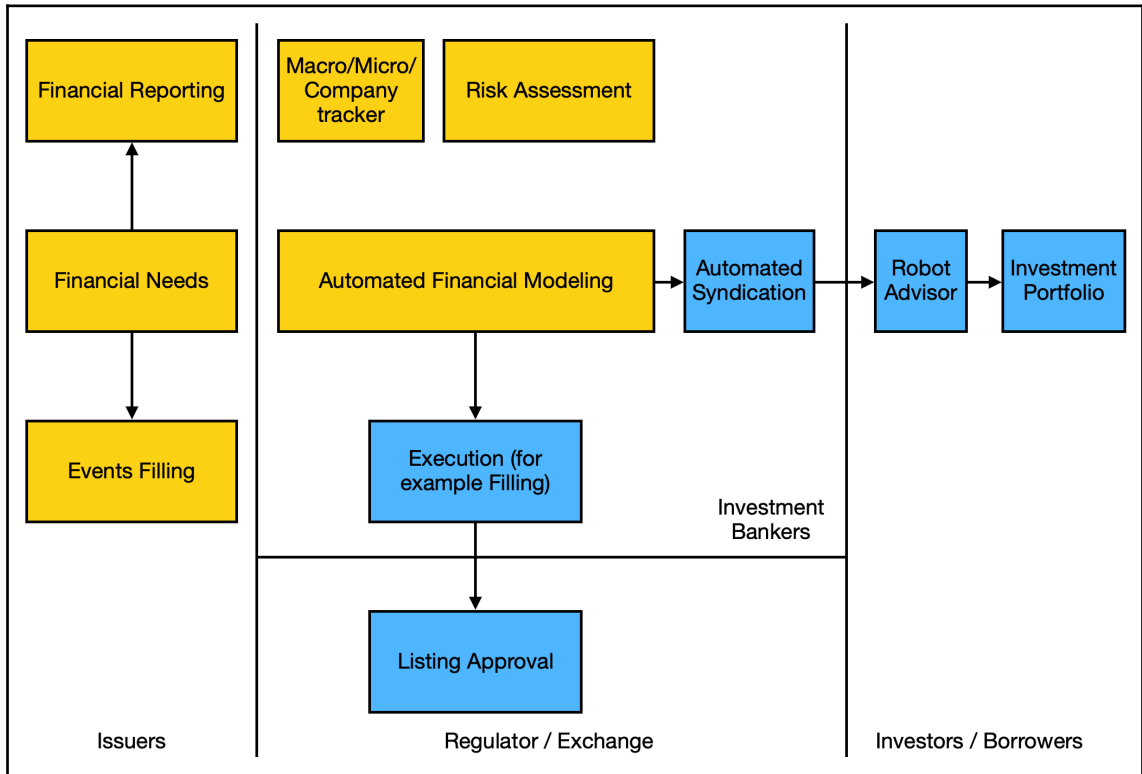
Chapter 3: Using Features and Reinforcement Learning to Automate Bank Financing



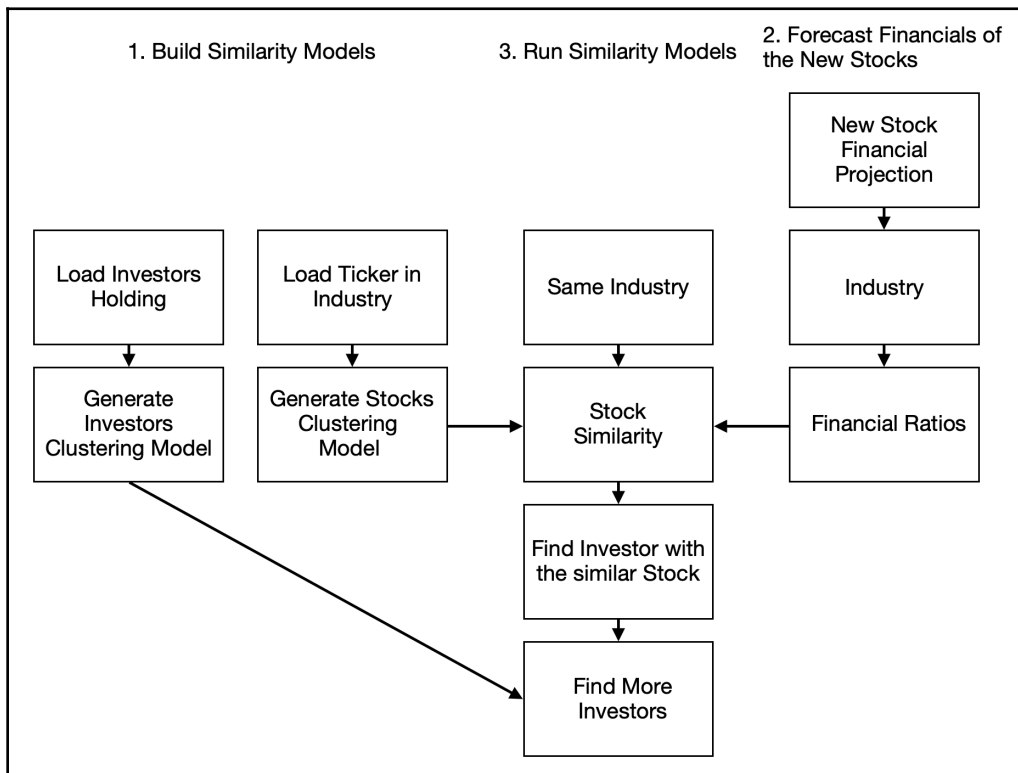
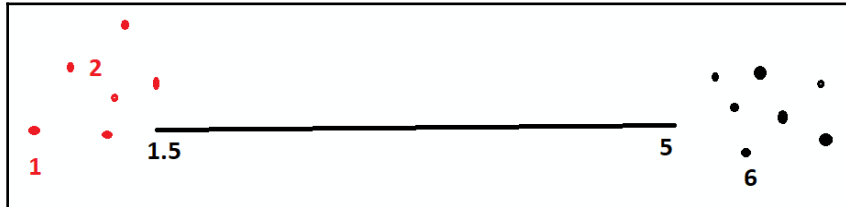




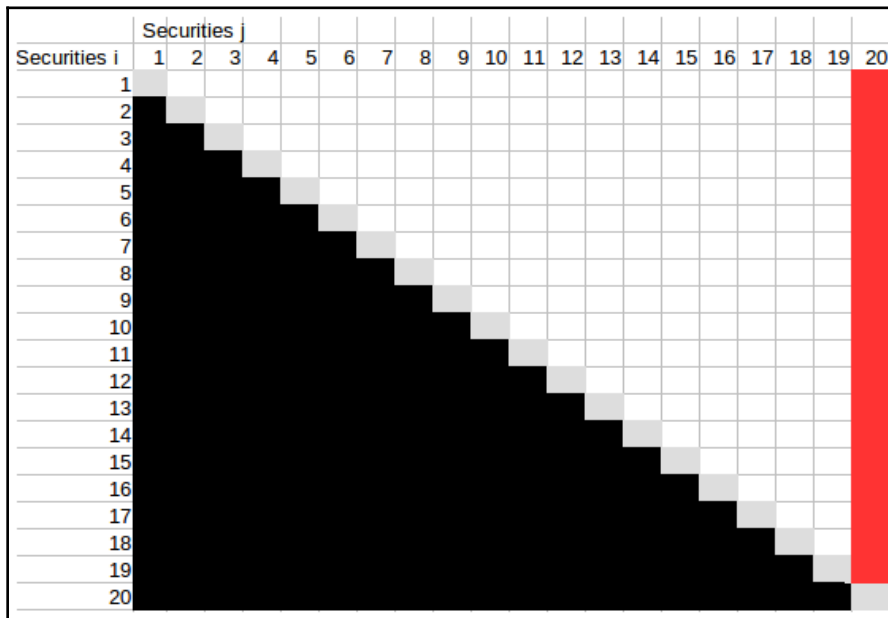
Chapter 4: Mechanizing Capital Market Decisions

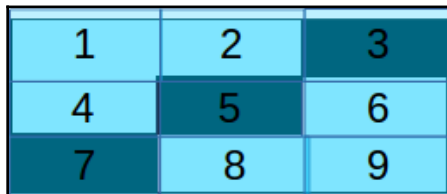
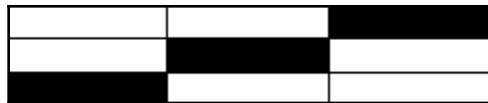


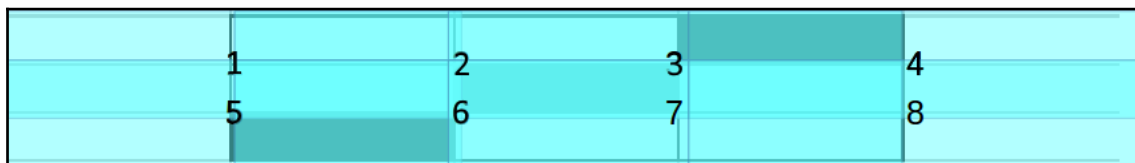
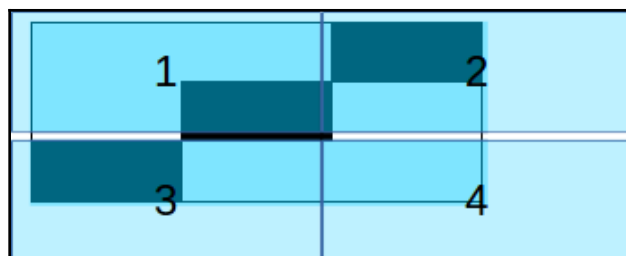
Chapter 5: Predicting the Future of Investment Bankers

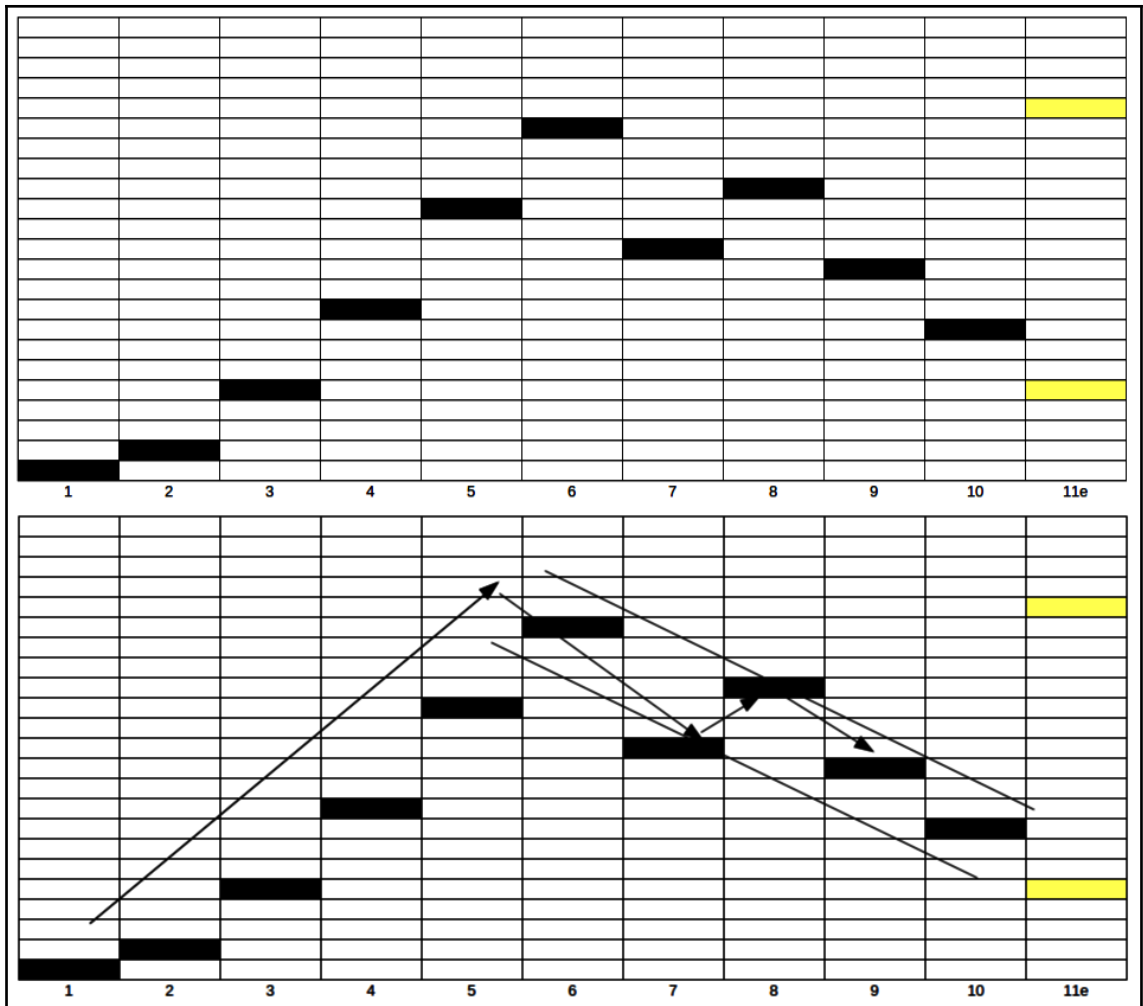


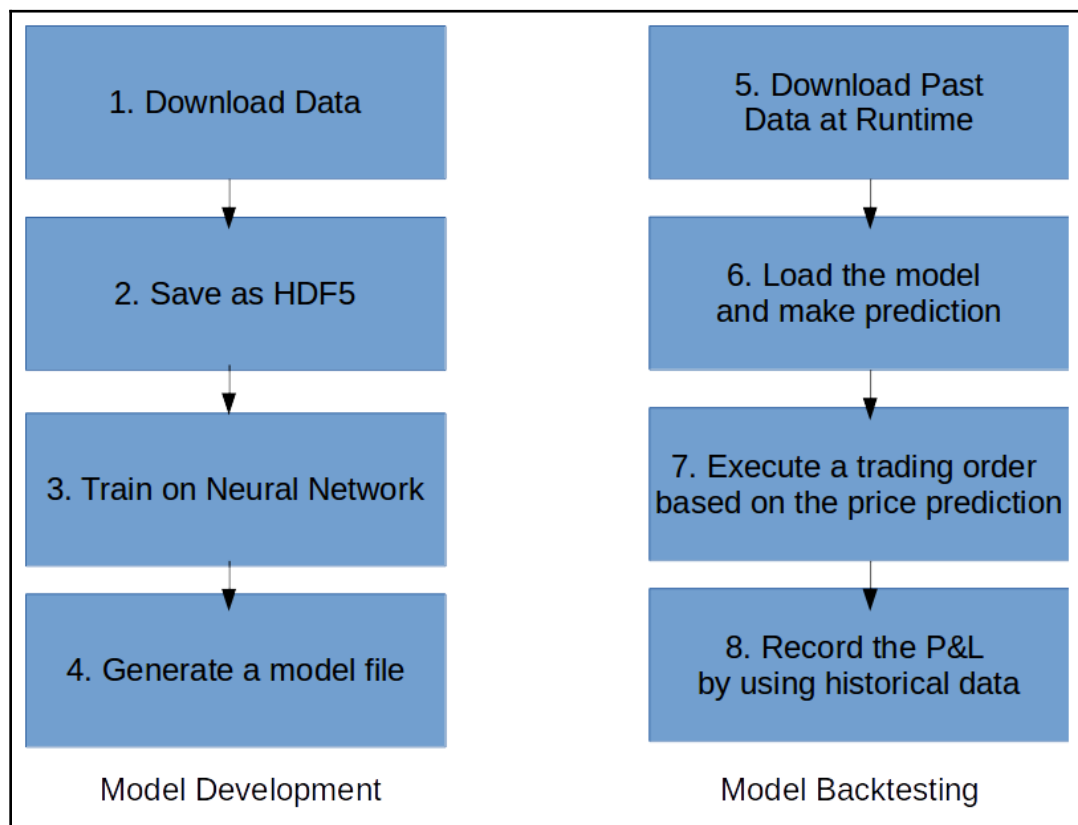
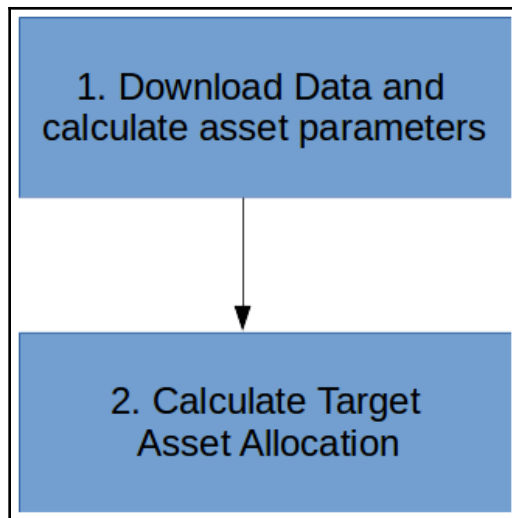
Chapter 6: Automated Portfolio Management Using Treynor-Black Model and ResNet



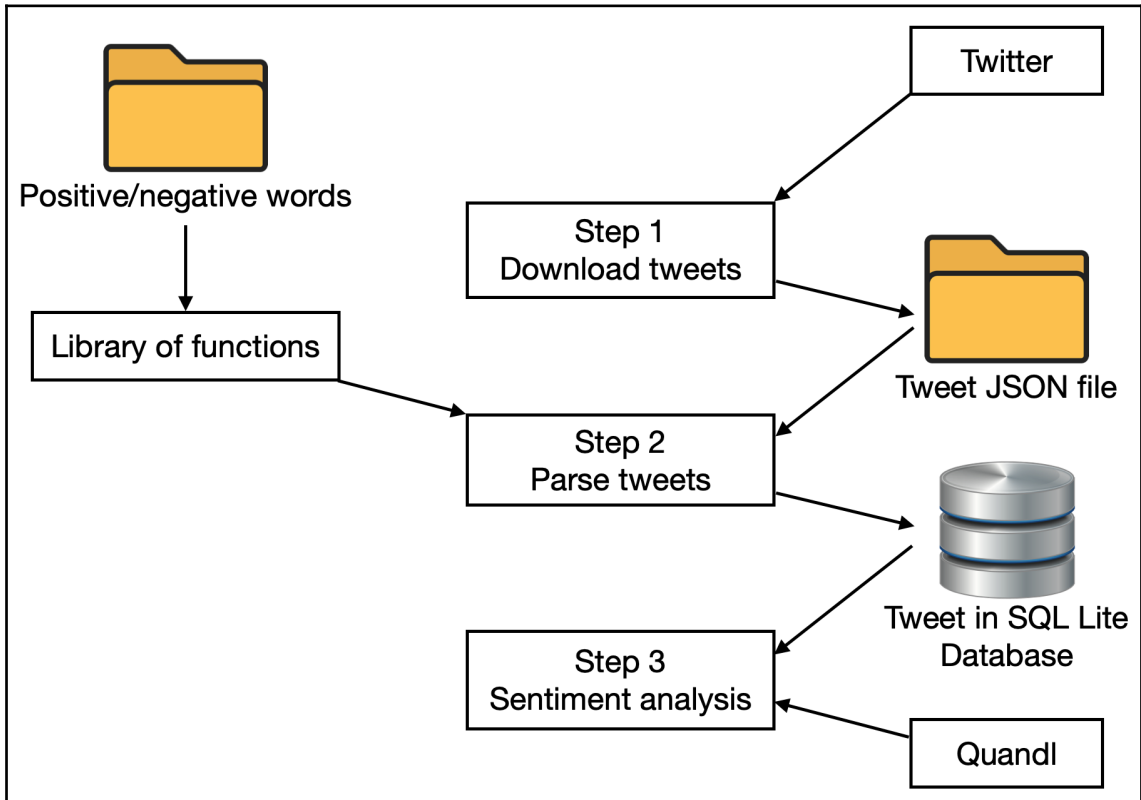


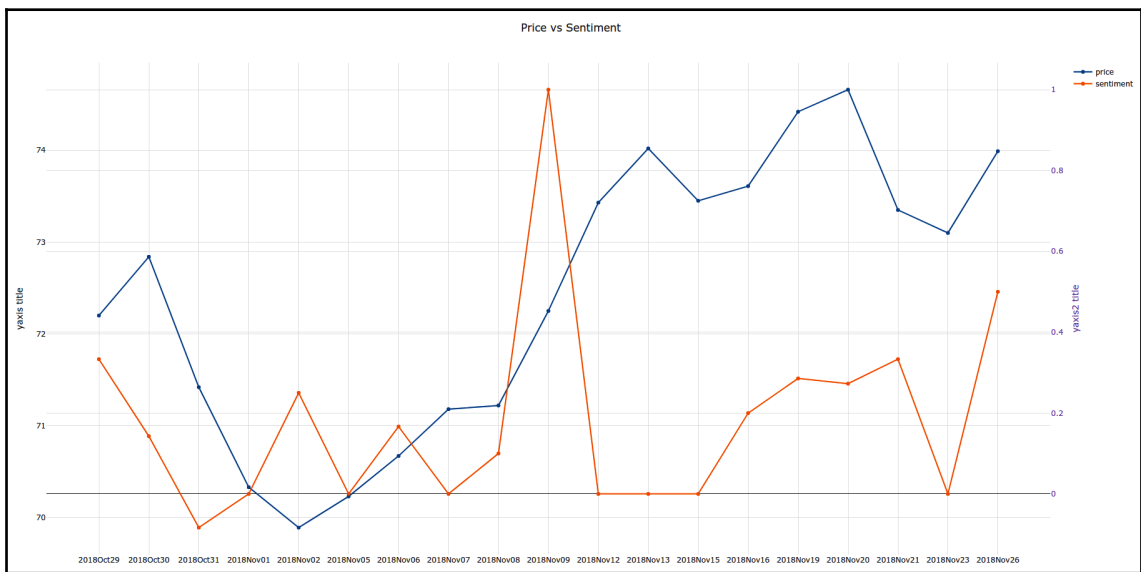
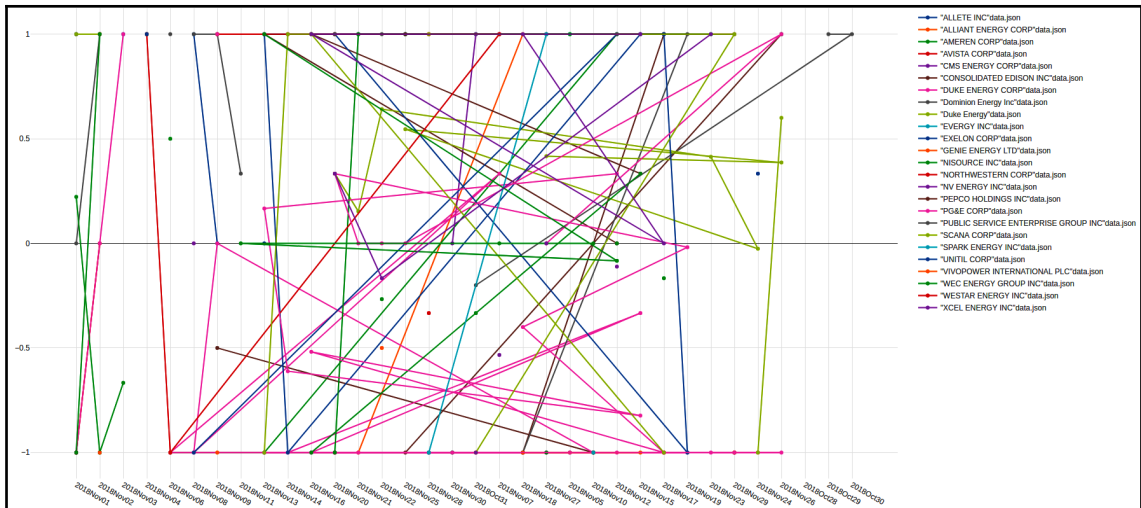


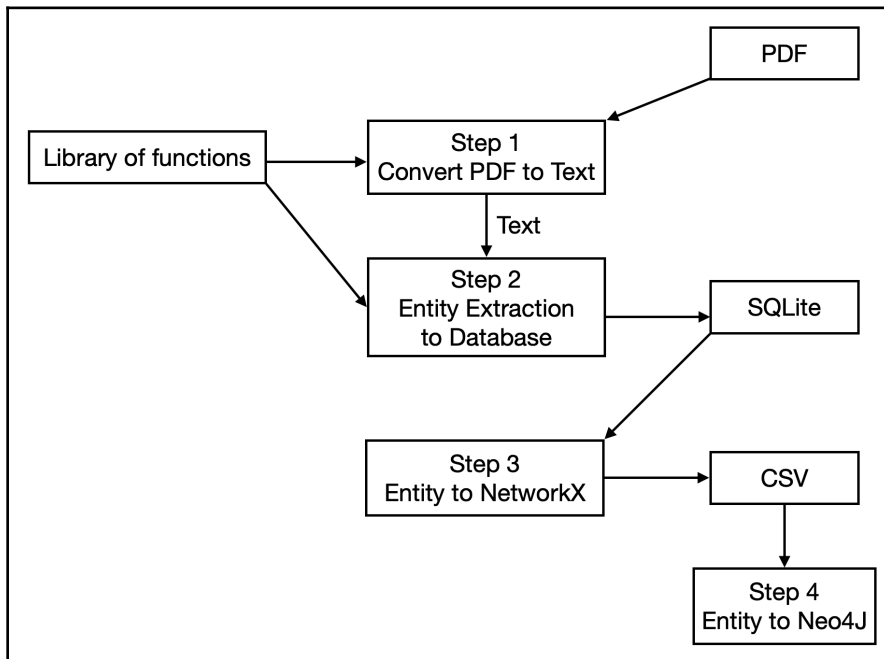
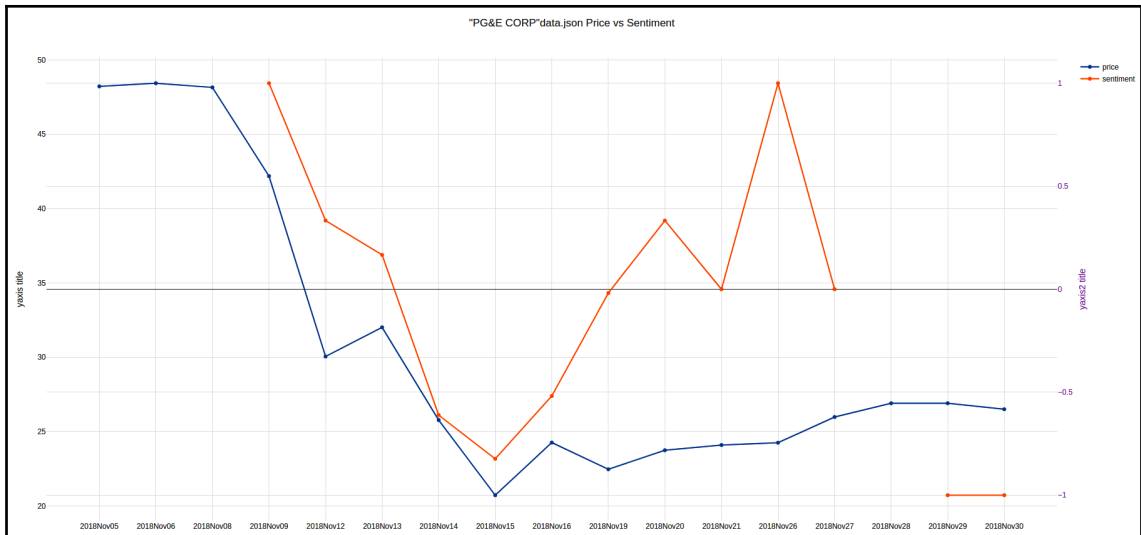


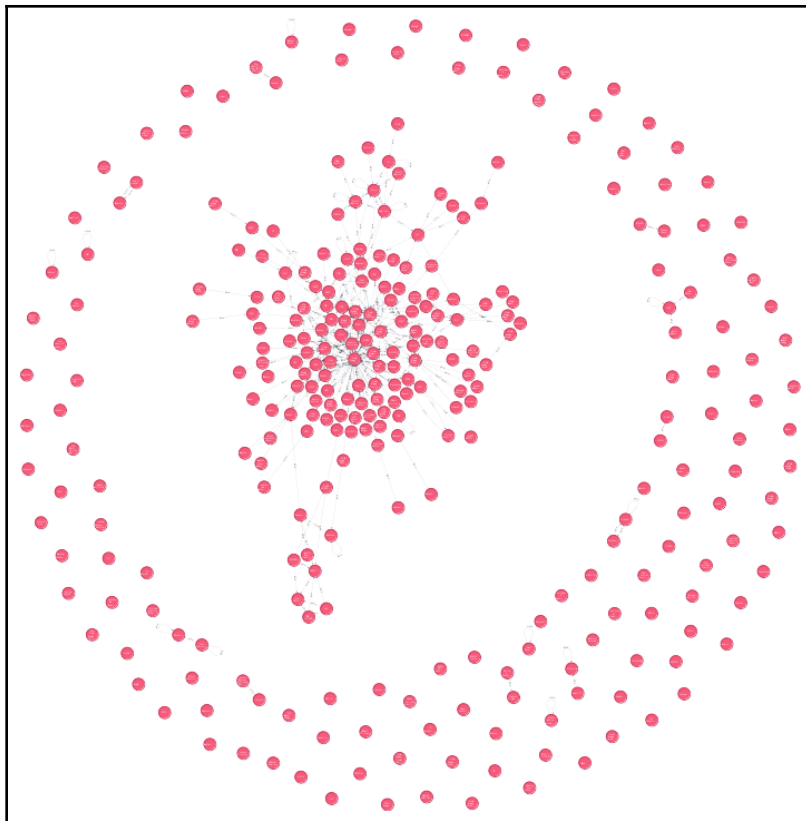


Chapter 7: Sensing Market Sentiment for Algorithmic Marketing at Sell Side

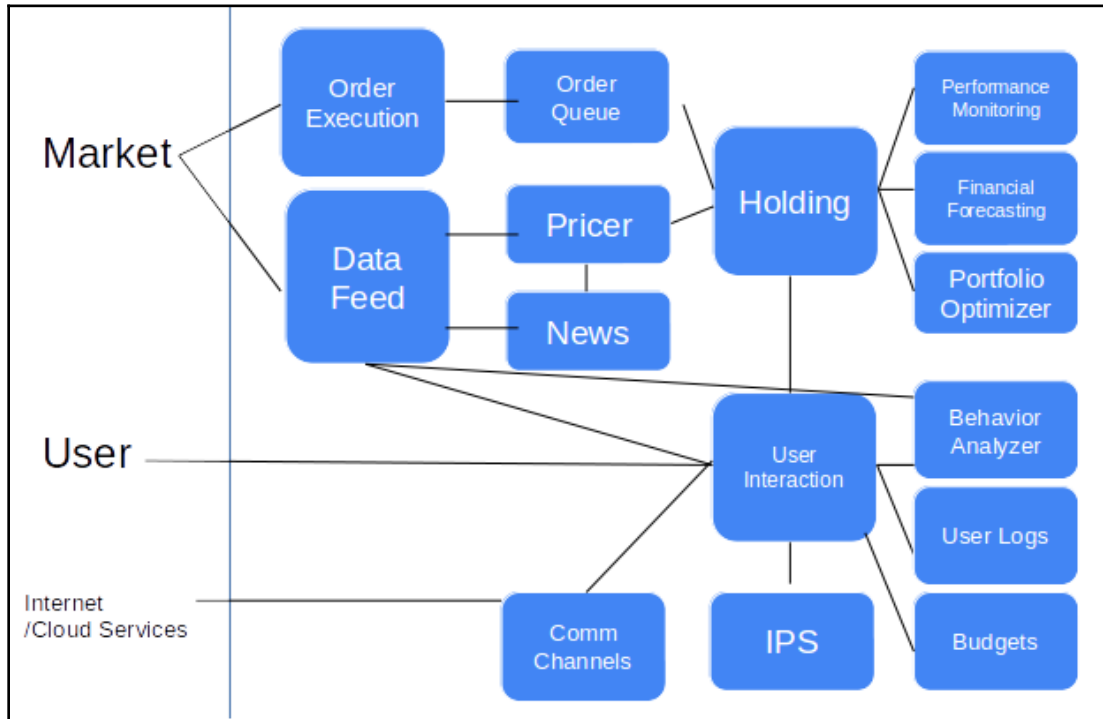








Chapter 8: Building Personal Wealth Advisers with Bank APIs



Chapter 9: Mass Customization of Client Lifetime Wealth

