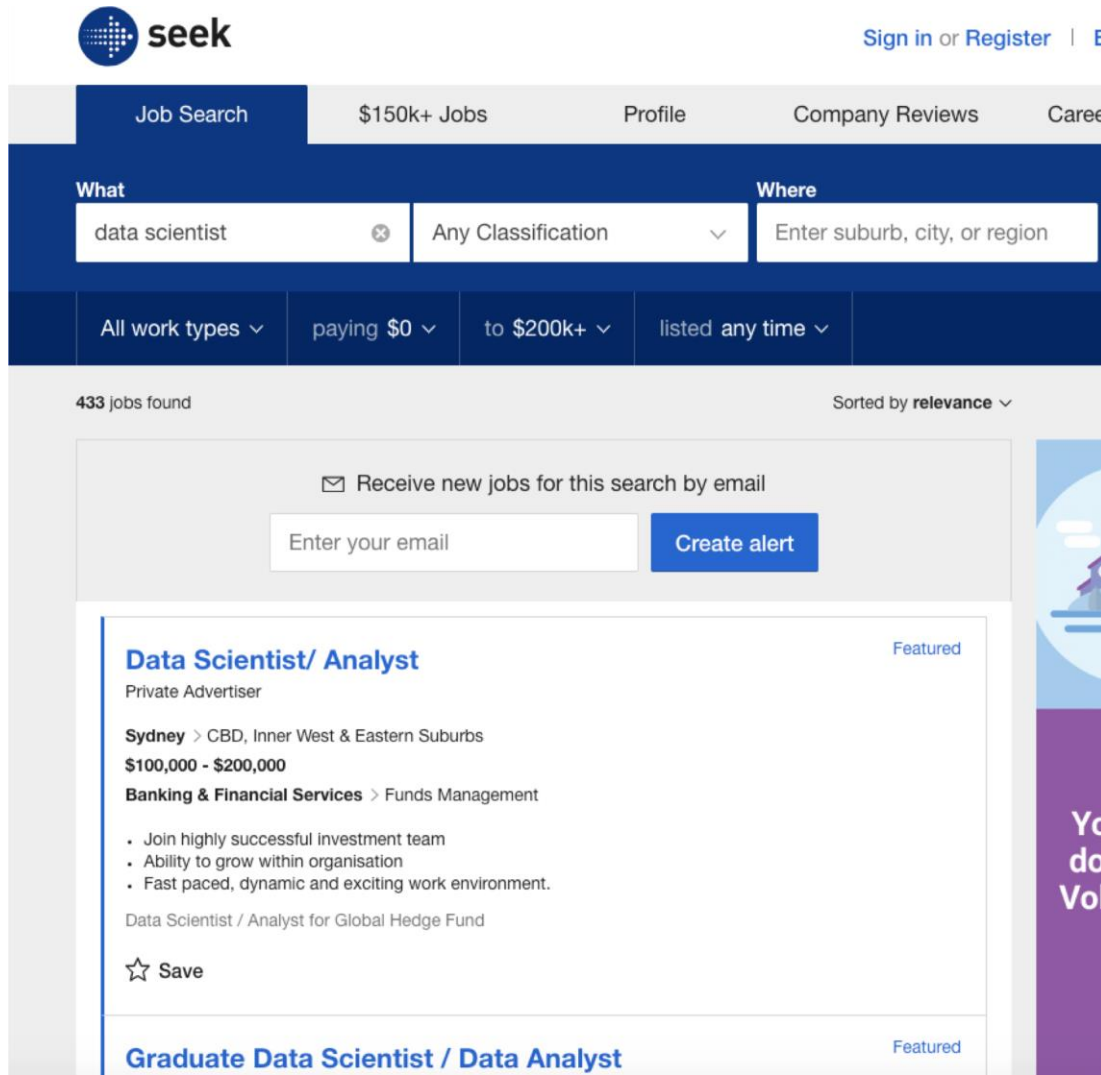


What can Data Science do for you?

Why do you care ?

The sexiest job of the 21st century (HBR 2012)



The screenshot shows the Seek job search interface. The top navigation bar includes the Seek logo, a 'Sign in or Register' link, and tabs for 'Job Search', '\$150k+ Jobs', 'Profile', 'Company Reviews', and 'Careers'. The search filters are set to 'What: data scientist', 'Where: Any Classification', and 'All work types'. The results show 433 jobs found, sorted by relevance. A featured job listing for 'Data Scientist/ Analyst' is displayed, including details about the employer, location, salary, and a list of benefits.

seek Sign in or Register | E

Job Search \$150k+ Jobs Profile Company Reviews Careers

What data scientist Where Any Classification Enter suburb, city, or region

All work types paying \$0 to \$200k+ listed any time

433 jobs found Sorted by relevance

Receive new jobs for this search by email

Enter your email Create alert

Data Scientist/ Analyst Featured

Private Advertiser

Sydney > CBD, Inner West & Eastern Suburbs

\$100,000 - \$200,000

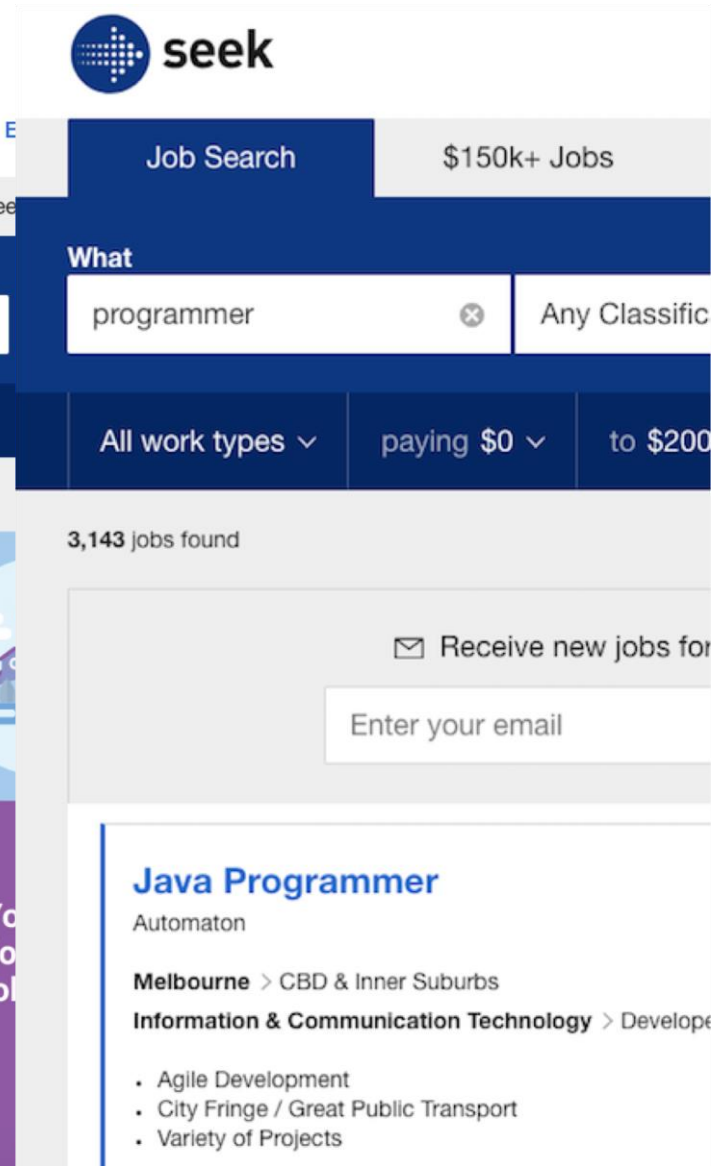
Banking & Financial Services > Funds Management

- Join highly successful investment team
- Ability to grow within organisation
- Fast paced, dynamic and exciting work environment.

Data Scientist / Analyst for Global Hedge Fund

☆ Save

Graduate Data Scientist / Data Analyst Featured



The screenshot shows the Seek job search interface. The top navigation bar includes the Seek logo, a 'Sign in or Register' link, and tabs for 'Job Search', '\$150k+ Jobs', 'Profile', 'Company Reviews', and 'Careers'. The search filters are set to 'What: programmer', 'Where: Any Classification', and 'All work types'. The results show 3,143 jobs found. A featured job listing for 'Java Programmer' is displayed, including details about the employer, location, and a list of benefits.

seek Sign in or Register | E

Job Search \$150k+ Jobs Profile Company Reviews Careers

What programmer Where Any Classification Enter suburb, city, or region

All work types paying \$0 to \$200k+

3,143 jobs found

Receive new jobs for this search by email

Enter your email

Java Programmer Featured

Automaton

Melbourne > CBD & Inner Suburbs

Information & Communication Technology > Development

- Agile Development
- City Fringe / Great Public Transport
- Variety of Projects

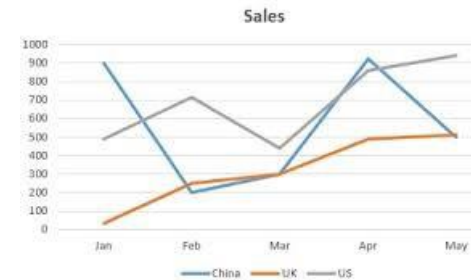
What is Data Science ?

Data science is a field of Big Data geared toward providing meaningful information based on large amounts of complex data. Data science, or data-driven science, combines different fields of work in statistics and computation in order to interpret data for the purpose of decision making.

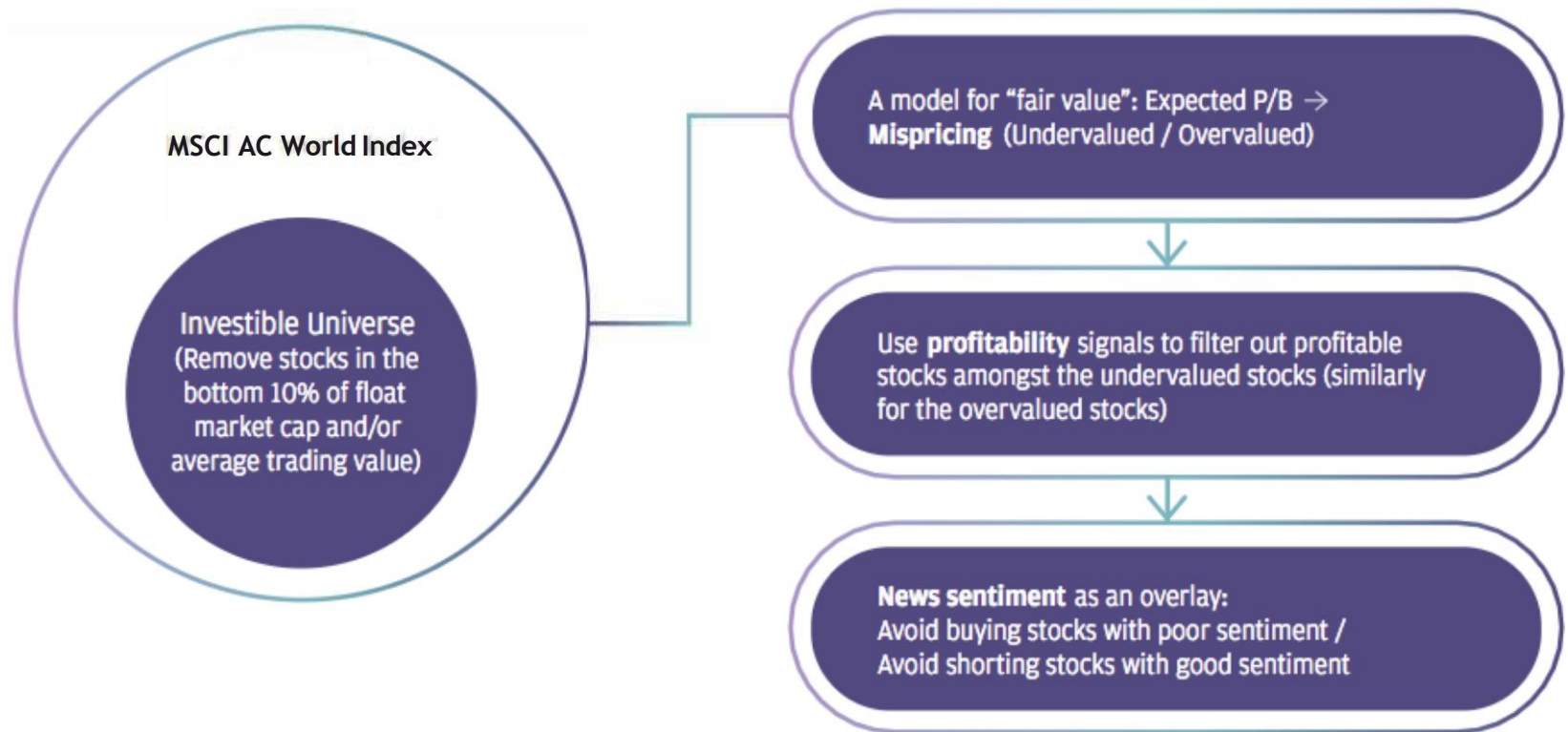
Source: Investopedia 2018/3/2

What can data science do?

- To uncover findings from data (e.g., hidden behaviors / trends)
- To produce “data product”



AN OVERVIEW OF OUR STOCK SELECTION STRATEGY

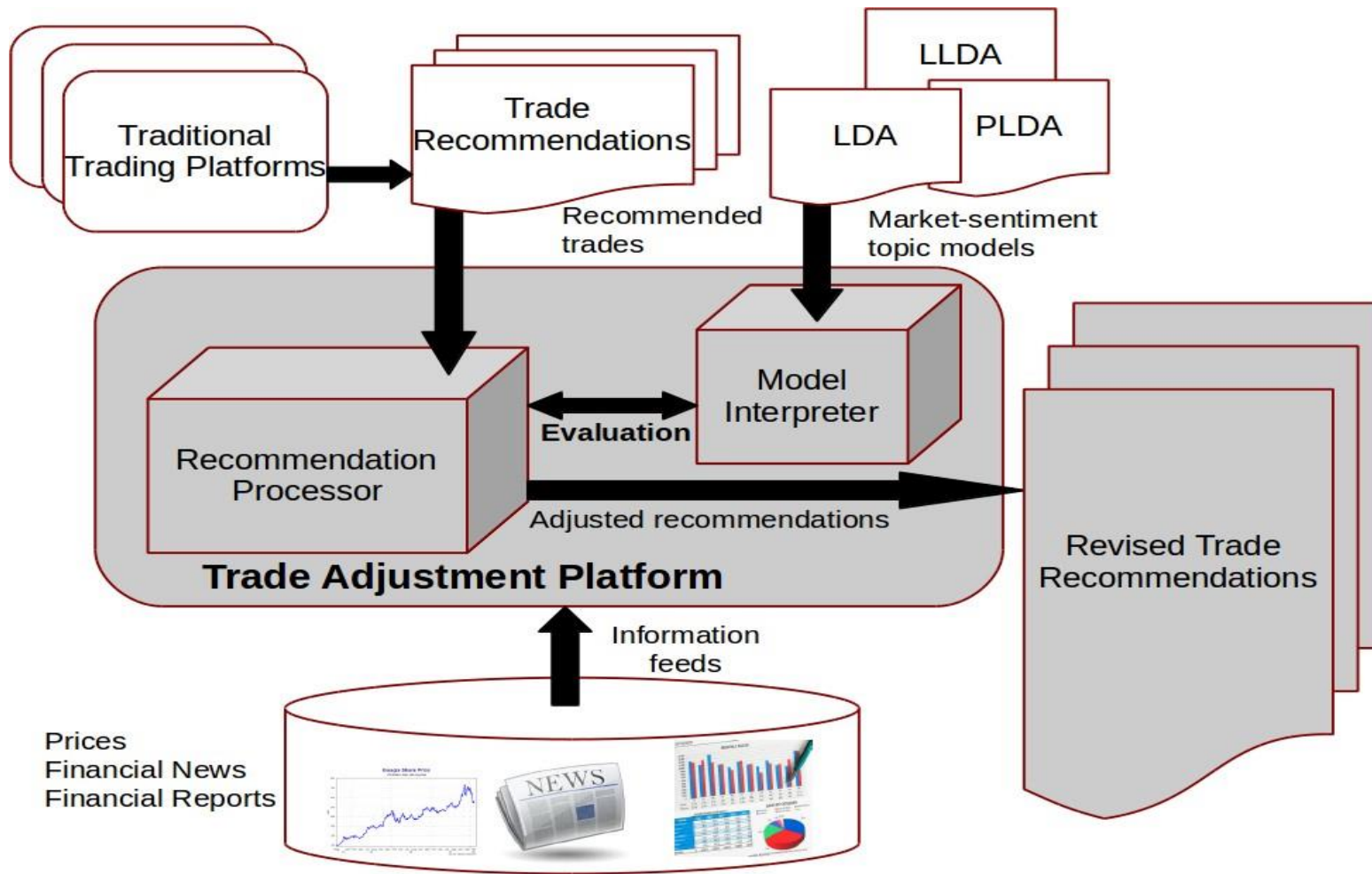


FINAL STRATEGY

Short: Overvalued stocks with poor profitability, removing stocks with good sentiment

Long: Undervalued stocks with high profitability, removing stocks with poor sentiment

Market sentiment analysis



Portfolio revision

Revised down (sell less) due to +vs sentiment

Revised Trades

	Original trades	Sentiment rank actual/ estimated	Revised trades
Open	6,000 \$17,000		12,199 \$508,307
Jul 12	-6,000 -\$96,360	+6/ +4.01	-3,597 -\$57,720
Aug 12	8,000 \$152,000	0/0	8,000 \$152,000
Close	8,000 \$190,640		12,199 \$408,307

RICs: ☐

0590.HK

From:

2012

▼

Jan

▼

1

▼



00:00:00.000



To:

2012

▼

Dec

▼

31

▼



23:59:59.999



Submit...

Main Steps in Data Science

- Data Collection
- Data Modeling and Analysis
- Problem Solving and/or Decision Support

The Process

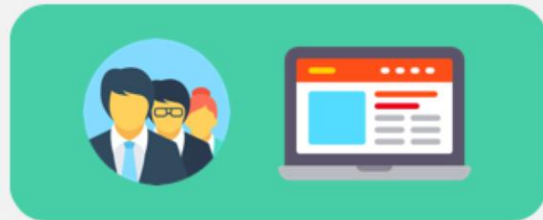
1. Define an objective
2. Determine Data Requirements and Collection Plan
3. Collect and Review the Data
4. (Pre)Process the Data (“Munging”)
5. Model and Analyze
6. Visualize and Communicate the Findings

Big Data Challenges – The 4 Vs

- **Volume:** huge data size
- **Variety:** structured vs unstructured. Numeric, categorical, spatiotemporal. textual/tweets, videos/images...
- **Veracity:** data quality, source trustworthiness, volatility
- **Velocity:** data speed

Case 1

Legal AI tech



Users are guided to provide the scenarios and circumstances for the system to retrieve



Artificial Intelligence



Knowledge Base, Past Trends, Precedence, etc

Big Data



Intelligence comes from:

- Natural Language Processing (NLP)
- Topic Modelling
- Intelligent Search | Retrieval
- Automated Summarisation

Wealth of knowledge created from knowledge bases, big data collections and fronted by an AI query and response engine

Legal AI tech



**Matrimonial
a w**

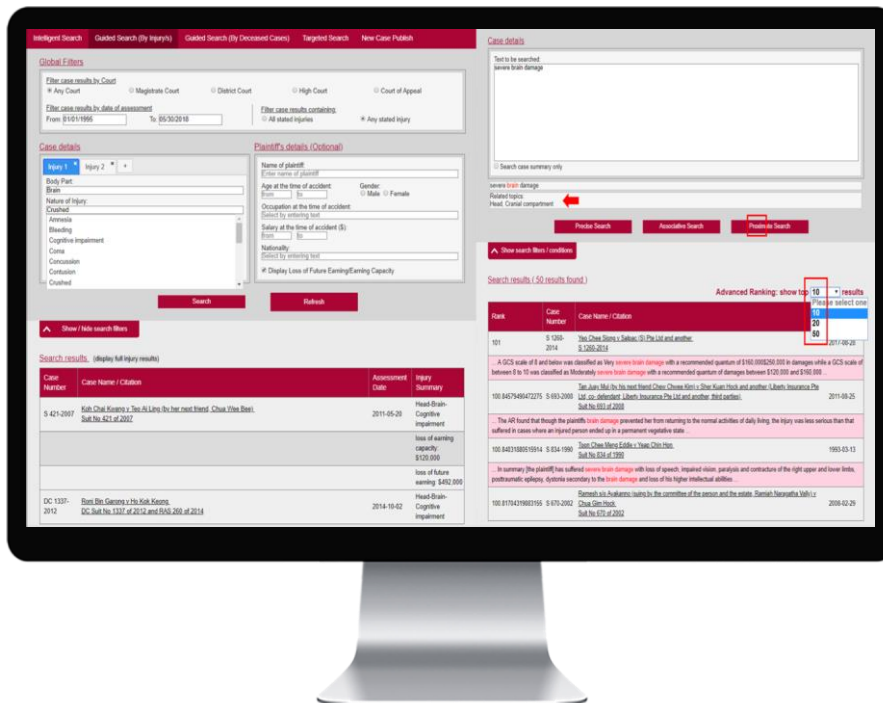
**Corporate
a w**

Tax aw

**Maritime
a w**

**Property
a w**

**Criminal
a w**



Case 2



Big Data + Good
Models/Algorithms \neq Success

Why Amazon & Netflix work well while others don't

- Have a purpose (a tangible objective) !
 - Not just a technical exercise
- Link “insight” to action (quickly, seamlessly & automatically)
- Push to business end-points (though infrastructure (e.g., Hadoop) is highly technical)
- Create feedback loops

Case 3

...20865510	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	广东省佛山市三水区乐平镇范滩经济开发三花公路23号广州工商学院	..
....50877236	2017-12-31 23:55:1(杨秋起	驻浦镇	***12762734	河南省鹤壁市淇县淇县红旗路与东环路交叉口向北20米路西老夫子(***12762734	..
....(11332438	2017-12-31 23:55:1(黄珊珊	浦江国际	***91436676	内蒙古自治区呼伦贝尔市海拉尔区车站街1号金海商务宾馆财务部	..
.....6tmt.236	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	山东省青岛市富春江路1443号华夏银行	..
.....20865511	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	西藏自治区拉萨市城关区嘎玛贡桑办事处	..
...-20865513	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	上海市宝山区长江西路***0号酒塘3村82弄6号502室	..
...-20865514	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	浙江省丽水市缙云县新建镇葛湖小学	..
...66774237	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	广东省深圳市福田区福田区园岭街道泥岗西路体育馆西门射击馆	..
...89J0131 I	2017-12-31 23:55:1(黄春治	福建泉州市南安市洪濑镇98	***60441121	四川省成都市锦江区王家坝街20号4楼2-4	..
.....20865515	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	福建省泉州市南安市丰州镇桥中路福源花苑B栋402	• 60441121 ..
.....ao33160	2017-12-31 23:55:1(谢青	湖北省武汉市汉阳区七里晴川	***86295559	福建省泉州市鲤城区池远干休所1-303	..86795559
...-66(74238	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	广东省揭阳市普宁市池尾街道梅西81幢106号祥祥茶庄	..
...*66714-239	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	广东省深圳市龙岗区深圳市龙岗区五和和融村住宅二区19-3	..
...66774240	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	河北省邯郸市磁县世纪城15号楼	..
"*66774241A	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	浙江省宁波市海曙区青林湾东区2幢408	..
...72187532	2017-12-31 23:55:1(孙娟	山东省临沂市河东区东旭第一城	***63359957	上海上海市杨浦区国定路777号上海财经大学	..
...83991838	2017-12-31 23:55:1(叶君	中梁国宾府售楼处(公安局对面)	***61276600	黑龙江省伊春市铁力市桃山林业局	..53359957 ..
...*20865516	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	江苏省盐城市东台市东台市龙鼎花园22幢4单元501	m6J276600 ..
...20860017	2017-12-31 23:55:1(小红书福利社	广东省深圳市南山区临海大道53号前海湾保税港区7栋746	***	福建省福州市台江区义洲新兴小区D9座202	..
...70724131	2017-12-31 23:55:1(牛奶工作室	广州市海文路11号	***2230639	湖南省娄底市娄星区众一华府1期	■ ■
...70724132	2017-12-31 23:55:1(牛奶工作室	广州市海文路11号	***2230639	江苏省苏州市苏州工业园区唯亭镇唯文路5号	***2230639 ..
...70724133	2017-12-31 23:55:1(牛奶工作室	广州市海文路11号	***2230639	福建省漳州市云霄县莆美镇宝洋里186号	***2230639 ..
.....0/24134	2017-12-31 23:55:1(牛奶工作室	广州市海文路11号	***2230639	广东省东莞市横沥镇合宝电器有限公司	***2230639 ..
...77774726	2017-12-31 23:55:1(刘璇璇	广东深圳市宝安区西乡街道麻布新村5巷6号1101	***43117223	江西省南昌市西湖区丁公路与广场东路交汇处盈石m售楼中心	***2230639 ..
...179-88	2017-12-31 23:55:1(张琴	广东深圳市罗湖区南湖街道南湖天宾馆(罗湖口岸店)房	***91806846	湖南株洲市攸县城关镇雪花社区翻身巷42号(近新天地商业街)	***43117223 ..
...68030899	2017-12-31 23:55:1(白如	河北省廊坊市大厂回族自治县英国宫	***0*2147	安徽芜湖市绿影新村64栋104室《绿影猪蹄店》联系电话	***91806846 ..
...55442193	2017-12-31 23:55:1(晏丹琳	广东省深圳市龙岗区横岗信义御城	***	云南省大理白族自治州大理市下关镇龙溪路护民巷93号(市防疫站)	***0*2147 ..
*8-5337	2017-12-31 23:55:1(江苏苏州吴中区郭巷公	江苏苏州市吴中区苏州市吴中区通园路1号2号库三楼	***	浙江省绍兴市上虞区曹娥工业功能区越窑路(自来水厂斜对面)(兰剑)	..
H8-5338	2017-12-31 23:55:1(江苏苏州吴中区郭巷公	江苏苏州市吴中区苏州市吴中区通园路1号2号库三楼	***	上海上海市嘉定区和平街254号	..
n-5339	2017-12-31 23:55:1(江苏苏州吴中区郭巷公	江苏苏州市吴中区苏州市吴中区通园路1号2号库三楼	***	上海上海市嘉定区和平街254号	..
...4...2993	2017-12-31 23:55:1(白白叶叶	化妆品	18...905631	上海上海市嘉定区和平街254号	..
...4...2994	2017-12-31 23:55:1(白白叶叶	化妆品	18...905631	成都市郫都区红光镇学府南路8号天色宏御花园宏园一号门化妆品	18...905631 ..
"75985279	2017-12-31 23:55:1(耿	樱园	-23679779	安徽省蚌埠市怀远县淝南乡徐万村化妆品	***905631 ..
...80166815	2017-12-31 23:55:1(淘帝童装	福建省宁德市福安市城北迎春商城1号楼6号店面	•H8S092521	浙江省嘉兴市桐乡市一舟大道1号恒华实业	***23679779 ..
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UIH4'4'2996	2017-12-31 23:55:1(白白叶叶	化妆品	:8...905631	安徽省黄山市黟县新街恒通电子化妆品	18...905631 ..
...4't299/	2017-12-31 23:55:1(白白叶叶	化妆品	1B-905631	广东省东莞市虎门镇白沙村油烟鸭加工基地恒峰辣味前进三百米	18...905631 ..
...771u727	2017-12-31 23:55:1(刘璇璇	广东深圳市宝安区西乡街道麻布新村5巷6号1101	..431J7>23 "	陕西省渭南市潼关县太要镇许家村化妆品	18...905631 ..
...66774242	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	..	江苏苏州市太仓市经济开发区江苏太仓市陆渡镇东城花苑5园94-1	***43117223 ..
-667742-tJ	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	湖南省长沙市雨花区新星小区竹星苑2栋406	..
...56777:244	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	山东省潍坊市潍城区宝通西街7166号潍坊医学院附属医院	..
...n66714245	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	云南省昆明市官渡区云南省昆明市官渡区昆船花园	..
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...66771247	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	山东省济宁市兖州市山拖小区4号楼	..
...66714248	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	辽宁省辽阳市市长岭区圣典浴都温泉酒店	..
...667747249	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	天津天津市西青区杨柳青柳口路99号	..
...66774250	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	江西省抚州市临川区环城北路64号水岸明珠	..
-66774251	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	黑龙江省齐齐哈尔市建华区双华路49号建华医院血液透析室	..
...66774252	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	广西壮族自治区百色市右江区城东进站路5号市民政局	..
...55774253	2017-12-31 23:55:1(小红书福利社	郑州市经开区九大街保税物流中心	***	黑龙江省大庆市让胡路区阳光嘉城三期E3-2-202	..
...1901133	2017-12-31 23:55:1(天津配送中心	天津市东丽区空港经济区西六道普洛斯特物流园B5-1号	***	山东省烟台市芝罘区红旗中路186号鲁东大学北区	..
...83941839	2017-12-31 23:55:1(叶君	中梁国宾府售楼处(公安局对面)	..61776e>(O ...	河北唐山市丰南区丰南镇河北省唐山市丰南区唐山鑫开泰机械厂	..61276600 ..
...083569275	2017-12-31 23:55:1(上海配送中心(虹桥)	上海市青浦区徐泾镇华徐公路589号普洛斯拉虹桥园区	(fffEJWj-E.M. •	江苏省盐城市东台市东台市金海饭店东侧老普不锈钢	..
.../4076392	2017-12-31 23:55:1(张先生	黑龙江省哈尔滨市道外区北173号	... 04871115 ••	浙江温州市文成县大岷文成县职业中专	..
...83569276	2017-12-31 23:55:1(上海配送中心(虹桥)	上海市青浦区徐泾镇华徐公路589号普洛斯拉虹桥园区	1ttff.mlf/tij-JliJ...	山西省大同市城区向阳里街道魏都大道富临宝城B座19号奥斯卡俱乐部	***04871115 ..
...71818319	2017-12-31 23:55:1(韩飞	河南省郑州市中原区西元国际广场2207	0371-552496"	浙江宁波市海曙区段塘街道南苑街南苑社区229弄100号706室	037J 5524963..
...71818380	2017-12-31 23:55:1(韩飞	河南省郑州市中原区西元国际广场2207	0371-52496..	广东省茂名市信宜市教育城初中(直接放保安亭)	:m1.5524953..
				辽宁省铁岭市银州区银州路25号铁岭市国税局稽查局	

спасибо
danke 謝謝
ngiyabonga
teşekkür ederim
dank je
gracias
tapadh leat
moichchakkeram
go raibh maith agat
arigatō
dakujem
merci
ευχαριστώ
terima kasih
감사합니다
sukriya
kop khun krap
grazie
sagolun
unifas
dziękuję
hvala
maunuru
bedankt
obrigado