



# Java AI - 自然语言与代码特征向量提取

网址: [www.aias.top](http://www.aias.top)

# 介绍

## 笔记简介:

- 面向对象: 深度学习初学者
- 依赖课程: **线性代数, 统计概率**, 优化理论, 图论, 离散数学, 微积分, 信息论

## 知乎专栏:

<https://zhuanlan.zhihu.com/p/693738275>

## Github & Gitee 地址:

[https://github.com/mymagicpower/AIAS/tree/main/deep\\_learning](https://github.com/mymagicpower/AIAS/tree/main/deep_learning)

[https://gitee.com/mymagicpower/AIAS/tree/main/deep\\_learning](https://gitee.com/mymagicpower/AIAS/tree/main/deep_learning)

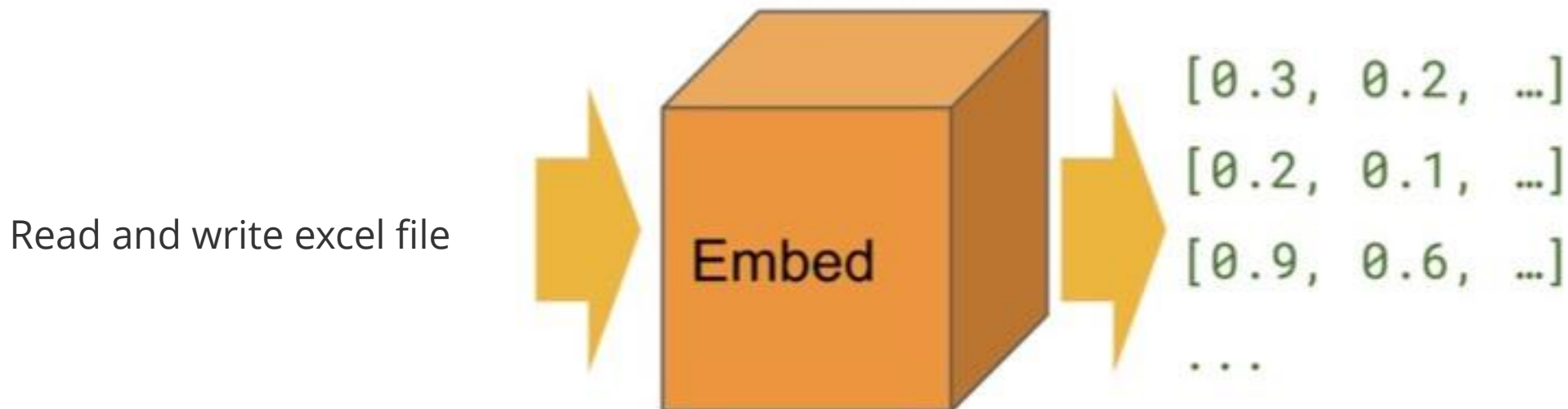
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- 禁止用于任何商业用途

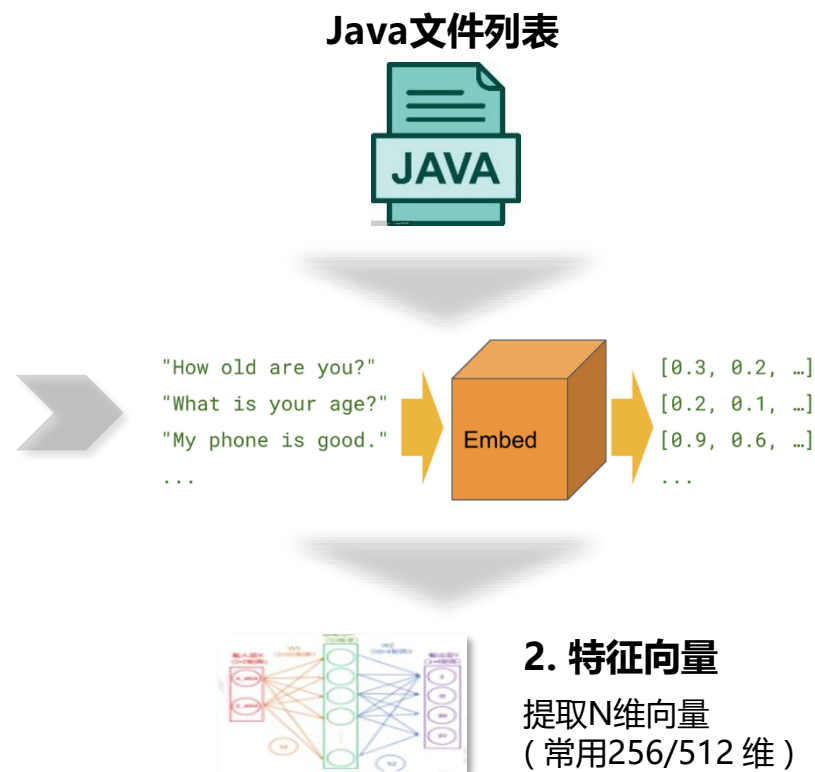
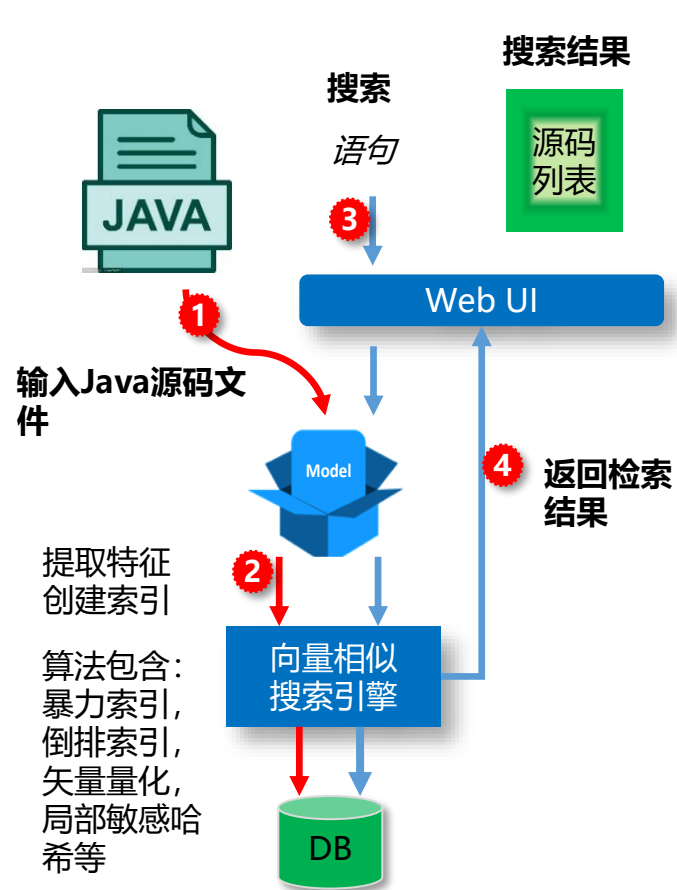
# 自然语言与代码特征提取工具箱

自然语言与代码特征提取工具箱提供3个SDK:

1. code2vec\_sdk
2. codet5p\_110m\_sdk
3. mpnet\_base\_v2\_sdk



# 应用场景 - 代码语义搜索 - 原理简介



# 应用场景 - 代码语义搜索 - 样例

## 代码语义搜索

代码语义搜索

相似代码搜索

代码数据管理

Dashboard / 代码语义搜索

20

create big integer

相似度

源码

源码文件

0.60

```
public BigInteger bigIntegerValue() {
    BigInteger bigInt = BigInteger.valueOf(value & UNSIGNED_MASK);
    if (value < 0) {
        bigInt = bigInt.setBit(Long.SIZE - 1);
    }
    return bigInt;
}
```

点击查看源码

0.46

```
public static <E> ArrayDeque<E> newArrayDeque(Iterable<? extends E> elements) {
    if (elements instanceof Collection) {
        return new ArrayDeque<E>(Collections2.cast(elements));
    }
    ArrayDeque<E> deque = new ArrayDeque<E>();
    Iterables.addAll(deque, elements);
    return deque;
}
```

点击查看源码

0.44

```
private static CharBuffer grow(CharBuffer buf) {
    char[] copy = Arrays.copyOf(buf.array(), buf.capacity() * 2);
    CharBuffer bigger = CharBuffer.wrap(copy);
    bigger.position(buf.position());
    bigger.limit(buf.limit());
    return bigger;
}
```

点击查看源码

## 查看源码文件

google / guava

7155d12b70a2406...

main

net

primitives

Booleans.java

Bytes.java

Chars.java

Doubles.java

Floats.java

ImmutableDoubleArray.java

ImmutableIntArray.java

ImmutableLongArray.java

Ints.java

Longs.java

ParseException.java

Primitives.java

Shorts.java

SignedBytes.java

UnsignedBytes.java

UnsignedInteger.java

UnsignedInts.java

UnsignedLong.java

UnsignedLongs.java

package-info.java

reflect

util/concurrent

xml

thirdparty/publicsuffix

pom.xml

futures

7155d12

guava / android / guava / src / com / google / common / primitives / UnsignedLong.java

Top

Code Blame 263 lines (235 loc) · 8.33 KB

Raw

Code

197 public float floatValue() {

200 // ...

213 double dValue = (double) (value & UNSIGNED\_MASK);

214 if (value < 0) {

215 dValue += 0x1.0p63;

216 }

217 return dValue;

218 }

219 }

220 /\*\* Returns the value of this {@code UnsignedLong} as a {@link BigInteger}. \*/

221 public BigInteger bigIntegerValue() {

222 BigInteger bigInt = BigInteger.valueOf(value & UNSIGNED\_MASK);

223 if (value < 0) {

224 bigInt = bigInt.setBit(Long.SIZE - 1);

225 }

226 return bigInt;

227 }

228 }

229 @Override

230 public int compareTo(UnsignedLong o) {

231 checkNotNull(o);

232 return UnsignedLongs.compare(value, o.value);

233 }

234 }

235 @Override

236 public int hashCode() {

237 return Longs.hashCode(value);

238 }

239 }

240 @Override

241 public boolean equals(@NullableDecl Object obj) {

242 if (obj instanceof UnsignedLong) {

243 UnsignedLong other = (UnsignedLong) obj;

244 return value == other.value;

245 }





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