

Task 2.1:

A blond-haired, fair-complexioned actor with a toothy grin and capable of an unsettling glint in his eyes, Gary Busey was born in [Goose Creek, Texas](#), and was raised in Oklahoma. He is the son of [Sadie Virginia](#) (Arnett), a homemaker, and [Delmar Lloyd](#) Busey, a construction design manager. He has English, as well as Irish, Scottish, and German, ancestry. He graduated from [Nathan Hale High School](#) in Tulsa, Oklahoma in 1962 and for a while was a professional musician. A talented drummer, he played in several bands, including those of country-and-western legends [Leon Russell](#), [Kris Kristofferson](#) and [Willie Nelson](#).

Busey's first film appearance was as a biker in the low-budget [Angels Hard as They Come](#) (1971) and, over the next few years, he landed several film roles generally as a country hick/redneck or surly, rebellious types. His real breakthrough came in the dynamic film [The Buddy Holly Story](#) (1978), with Busey taking the lead role as [Buddy Holly](#), in addition to playing guitar and singing all the vocals! His stellar performance scored him a [Best Actor](#) nomination and the attention of Hollywood taking overcasting agents. Next up, he joined fellow young actors [William Katt](#) and [Jan-Michael Vincent](#) as surfing buddies growing up together in the cult surf film [Big Wednesday](#) (1978), directed by [John Milius](#). However, a string of appearances in somewhat mediocre films took him out of the spotlight for several years, until he played the brutal assassin Mr. Joshua trying to kill Los Angeles cops [Mel Gibson](#) and [Danny Glover](#) in the runaway mega-hit [Lethal Weapon](#) (1987). Further strong roles followed, including alongside [Danny Glover](#) once again in [Predator 2](#) (1990). He was back on the beaches, this time tracking bank robbers with FBI agent [Keanu Reeves](#) in [Point Break](#) (1991) and nearly stole the show as a psychotic Navy officer in league with terrorists led by [Tommy Lee Jones](#) taking over the USS Missouri in the highly popular [Under Siege](#) (1992).

The entertaining Busey has continued to remain busy in front of the cameras and has certainly developed a minor cult following among many film fans. Plus, he's also the proud father of accomplished young actor [Jake Busey](#), whose looks make him almost a dead ringer for his famous father.

Task 2.2 extractors:

Lexical:

birthplace

```
pattern = [
    {'ORTH': 'born'},
    {'OP': '*'},
    {'ORTH': 'in'},
    {'OP': '*'},
    {'IS_TITLE': True},
    {'IS_PUNCT': True},
    {'IS_TITLE': True},
    {'IS_PUNCT': True, 'OP': '?'},
    {'IS_TITLE': True, 'OP': '?'},
    {'IS_UPPER': True, 'OP': '?'},
]
isolate_pattern = [
    {'IS_TITLE': True},
    {'IS_PUNCT': True, 'OP': '?'},
    {'IS_TITLE': True, 'OP': '?'},
    {'IS_PUNCT': True, 'OP': '?'},
    {'IS_TITLE': True, 'OP': '?'},
    {'IS_UPPER': True, 'OP': '?'},
]
```

Education

```
pattern = [
    {'TEXT': {'REGEX': 'graduated|attended|enrolled'}},
    {'OP': '*'},
    {'TEXT': {'REGEX': 'School|College|University|Academy'}},
    {'TEXT': 'of', 'OP': '?'},
    {'IS_TITLE': True, 'OP': '*'},
    {'IS_PUNCT': True, 'OP': '*'},
    {'IS_TITLE': True, 'OP': '*'},
]
isolate_pattern = [
    {'IS_TITLE': True, 'OP': '+'},
    {'IS_STOP': True, 'OP': '?'},
    {'IS_TITLE': True, 'OP': '+'},
]
```

Parents

```
pattern = [
    {'LOWER': {'REGEX': '^(son|daughter|born)$'}},
    # {'OP': '*'},
    {'ORTH': {'REGEX': 'of|to'}},
    {'OP': '*'},
    {'IS_TITLE': True, 'OP': '+'},
]
```

```

        {'OP': '*'},
        {'ORTH': 'and'},
        {'OP': '*'},
        {'IS_TITLE': True, 'OP': '+'},
        # {'IS_PUNCT': True,},
    ]
    pattern2 = [
        {'LOWER': {'REGEX': '^ (mother|father|parent)$'}},
        {'ORTH': ','},
        {'IS_TITLE': True, 'OP': '+'},
    ]
    isolate_pattern = [
        {'IS_TITLE': True},
        {'IS_TITLE': True},
    ]

```

Awards

```

    pattern = [
        {'TEXT': {'REGEX': '^ (nominated|nomination([s]?)|awarded|won)$'}},
        {'IS_STOP': True, 'OP': '*'},
        {'IS_TITLE': True, 'OP': '+'},
    ]
    pattern2 = [
        {'IS_TITLE': True, 'OP': '+'},
        {'TEXT': {'REGEX': '^ (nomination|award)([s]?)$'}},
    ]
    isolate_pattern = [
        {'IS_TITLE': True, 'OP': '+'},
    ]

```

Performances

```

    pattern = [
        {'IS_TITLE': True, 'OP': '+'},
        {'IS_STOP': True, 'OP': '*'},
        {'IS_TITLE': True, 'OP': '*'},
        {'TEXT': '('},
        {'LIKE_NUM': True},
        {'TEXT': ')'},
    ]

```

Colleagues

```

    pattern = [
        {'LOWER': {'REGEX': '^ (alongside|actor|actress|director|producer)$'}},
        {'IS_STOP': True, 'OP': '*'},
        {'IS_TITLE': True, 'OP': '+'},
    ]

```

```

        {'IS_STOP': True, 'OP': '*'},
        {'IS_TITLE': True, 'OP': '*'},
    ]
    isolate_pattern = [
        {'IS_TITLE': True},
        {'IS_TITLE': True, 'OP': '+'},
    ]

```

Syntactic

Birthplace

```

pattern = [
    {'POS': 'VERB', 'ORTH': 'born'},
    {'OP': '*'},
    {'LOWER': 'in', 'POS': 'ADP'},
    {'OP': '*'},
    {'ENT_TYPE': 'GPE', 'OP': '+'},
]

```

Education

```

pattern = [
    {'POS': 'VERB', 'LEMMA': {'REGEX': 'graduate|attend|enroll'}},
    {'OP': '*'},
    {'ENT_TYPE': 'ORG', 'TEXT': {'REGEX': 'School|College|University|Academy'}},
]

```

Parents

```

pattern = [
    {'POS': 'NOUN', 'TEXT': {'REGEX': '^ (son|daughter)$'}},
    {'LOWER': 'of', 'POS': 'ADP'},
    {'OP': '*'},
    {'ENT_TYPE': 'PERSON', 'OP': '+'},
]
pattern2 = [
    {'POS': 'NOUN', 'LOWER': {'REGEX': '^ (mother|father|parent)$'}},
    {'IS_PUNCT': True, 'OP': '?'},
    {'ENT_TYPE': 'PERSON', 'OP': '+'},
]
pattern3 = [
    {'POS': 'VERB', 'LOWER': 'born'},
    {'LOWER': 'to', 'POS': 'ADP'},
]

```

```
{'OP': '*'},
{'ENT_TYPE': 'PERSON', 'OP': '+'},
]
```

Awards

```
pattern = [
    {'POS': 'VERB', 'LEMMA': {'REGEX': '^(\nominate|award|win)$'}},
    {'IS_STOP': True, 'OP': '*'},
    {'TAG': 'NNP', 'OP': '+'}
]
pattern2 = [
    {'TAG': 'NNP', 'OP': '+'},
    {'POS': 'NOUN', 'LEMMA': {'REGEX': '^(\nomination|award)$'}},
]
```

Performances

```
pattern = [
    {'IS_TITLE': True, 'OP': '+'},
    {'IS_STOP': True, 'OP': '*'},
    {'IS_TITLE': True, 'OP': '*'},
    {'TEXT': '('},
    {'LIKE_NUM': True},
    {'TEXT': ')'},
]
```

Colleagues

```
pattern = [
    {'LOWER': {'REGEX':
'^(\along|actor|actress|director|producer|with|including|directed)'}},
    {'IS_STOP': True, 'OP': '*'},
    {'ENT_TYPE': 'PERSON', 'OP': '+'},
    {'IS_STOP': True, 'OP': '*'},
    {'ENT_TYPE': 'PERSON', 'OP': '*'},
]
```

Task 2.3:

Was not able to calculate precision and recall