|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Track: Love Me, The 1975 | Precision@10 | Recall@10 | nDCG@10 | Coverage@10 | Diversity@10 |
| Audio-based(cosine, mfcc\_stats) | 0.9 | 0.001252261026854042 | 0.7671841189595985 | 0.02877697841726619 | 4.512733485102955 |
| Audio-based(cosine,  Blf-correlation) | 0.9 | 0.001252261026854042 | 0.8225099231970224 | 0.02877697841726619 | 4.4349930180705925 |
| Audio-based(cosine, ivec 256) | 0.5 | 0.0006957005704744677 | 0.930060674265432 | 0.039568345323741004 | 4.694414369980027 |
| Audio-based(cosine,  musicnn) | 0.9 | 0.001252261026854042 | 0.9678734158676967 | 0.030575539568345324 | 4.327809744157541 |
| Text-based(cosine, tf-idf) | 0.7 | 0.0009739807986642549 | 0.8533609296318049 | 0.02877697841726619 | 4.304279056901011 |
| Text-based(cosine,  word2vec) | 0.9 | 0.001252261026854042 | 0.7312834140611193 | 0.05485611510791367 | 5.269255144533857 |
| Text-based(cosine,  Bert) | 0.9 | 0.001252261026854042 | 0.7787358767787625 | 0.06205035971223022 | 4.98983386417154 |
| Text-based(Random-Baseline) | 0.6 | 0.0008348406845693614 | 0.6751814430101434 | 0.04316546762589928 | 5.241668982686684 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Track:One, U2 | Precision@10 | Recall@10 | nDCG@10 | Coverage@10 | Diversity@10 |
| Audio-based(cosine, mfcc\_stats) | 0.6 | 0.0008525149190110827 | 0.7542618308347483 | 0.029676258992805755 | 4.463264650649218 |
| Audio-based(cosine,  Blf-correlation) | 0.8 | 0.0011366865586814436 | 0.7020800709310931 | 0.039568345323741004 | 4.940636087858691 |
| Audio-based(cosine, ivec 256) | 0.8 | 0.0011366865586814436 | 0.8326053447910284 | 0.048561151079136694 | 5.02604074866775 |
| Audio-based(cosine,  musicnn) | 0.8 | 0.0011366865586814436 | 0.7498281736486573 | 0.03237410071942446 | 4.48012028053579 |
| Text-based(cosine, tf-idf) | 0.6 | 0.0008525149190110827 | 0.8575548603251164 | 0.039568345323741004 | 4.980592617990701 |
| Text-based(cosine,  word2vec) | 0.4 | 0.0005683432793407218 | 0.8416277093229729 | 0.025179856115107913 | 4.41128235144448 |
| Text-based(cosine,  Bert) | 0.8 | 0.0011366865586814436 | 0.8864792868959819 | 0.03866906474820144 | 4.7384778232010865 |
| Text-based(Random-Baseline) | 0.5 | 0.0007104290991759022 | 0.6516097620891771 | 0.03327338129496403 | 4.885519720616351 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Track:Every Christmas, Kelly Clarkson | Precision@10 | Recall@10 | nDCG@10 | Coverage@10 | Diversity@10 |
| Audio-based(cosine, mfcc\_stats) | 0.5 | 0.0011899095668729176 | 0.570581209044283 | 0.05845323741007194 | 5.339126581608182 |
| Audio-based(cosine,  Blf-correlation) | 0.6 | 0.0014278914802475012 | 0.6133971708972615 | 0.04946043165467626 | 4.843362738948359 |
| Audio-based(cosine, ivec 256) | 0.5 | 0.0011899095668729176 | 0.5863021893007933 | 0.05485611510791367 | 5.372485441638611 |
| Audio-based(cosine,  musicnn) | 0.4 | 0.0014278914802475012 | 0.5909901524813768 | 0.048561151079136694 | 5.144905790937944 |
| Text-based(cosine, tf-idf) | 0.6 | 0.0014278914802475012 | 0.9526689104687949 | 0.03507194244604316 | 4.303693514254099 |
| Text-based(cosine,  word2vec) | 0.7 | 0.0016658733936220848 | 0.737118860410854 | 0.046762589928057555 | 5.331744355178888 |
| Text-based(cosine,  Bert) | 0.9 | 0.002141837220371252 | 0.7651136184775313 | 0.03776978417266187 | 4.247762267266839 |
| Text-based(Random-Baseline) | 0.3 | 0.0007139457401237506 | 0.49638942435380906 | 0.0341726618705036 | 4.529727632722689 |

Result Songs Audio-Based retrieval:

**Blf-Correlation Results Track 1:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Nobody's Perfect | Jessie J |
| America's Suitehearts | Fall Out Boy |
| My Girlfriend's Dead | The Vandals |
| Road Rash | Mad Caddies |
| Summertime | Aaron Carter |
| hen You Gonna Learn? - Remastered | Jamiroquai |
| Rockin' | A\*Teens |
| There Must Be An Angel | Eurythmics |
| Twilight | Wanna One |
| This Is My Life | Firewater |

**Ivec256 Results Track1:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Happy Judgement Day | Neck Deep |
| Broken As Me | Papa Roach |
| Rat Trap | The Boomtown Rats |
| Grey Havens | Hands Like Houses |
| Kiss Like This | Jasmin Gabay |
| Mala | Reykon |
| Ibiza | The Prodigy |
| Alma | Zélia Duncan |
| Me and the Devil | Gil Scott-Heron |
| I am YOU | Stray Kids |

**MFCC Stats Results Track 1:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Falling for You | Tamia |
| Sunshine on a Rainy Day | Emma Bunton |
| Honey, Honey | ABBA |
| Do You Wanna Come Over? | Britney Spears |
| The Thoughts That Give Me the Creeps | Hellogoodbye |
| Good... Good | Belinda |
| Everybody's Weird | dEUS |
| Hesitation | Stacie Orrico |
| Fm | Nathan Haines |
| Amnesia | Chumbawamba |

**Musicnn Results Results Track1:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Lucy (feat. Brian May) | Adam Lambert |
| Wherever I Go | OneRepublic |
| Bad Decision | Chromeo |
| Larger Than Life | Backstreet Boys |
| All Time Low | Nine Inch Nails |
| Die Interimsliebenden | Einstürzende Neubauten |
| Ur Life One Night | Unknown Mortal Orchestra |
| We Built This City | Starship |
| Live It Up | Mental As Anything |
| Freeze | T-Pain |

**Blf Correlation Results Track2**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Simple Twist of Fate (Live) | Bob Dylan |
| The Man Who Sold the World | David Bowie |
| Cambio Dolor | Natalia Oreiro |
| Carve Away the Stone | Rush |
| Ain't No Mountain High Enough | Marvin Gaye & Tammi Terrell |
| One | Mary J. Blige |
| Rewind | Stereophonics |
| Someone Singing Along | James Blunt |
| One In A Million | Pet Shop Boys |
| Tears On Tape | Him |

Ivec 256 Result:

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Oh Comely | Neutral Milk Hotel |
| Gone | Jack Johnson |
| No Ordinary Love | Sade |
| Philadelphia | Parachute |
| Sick, Sick, Sick | Bayside |
| Darkness | Darren Hayes |
| Pro Anti Anti | Liars |
| Shallow Tears | Light Asylum |
| Northern Downpour | Panic! at the Disco |
| (Our Love) Don't Throw It All Away | Andy Gibb |

**Mfcc Stats Results Track2:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Garotos II - O Outro Lado | Leoni |
| Lariat | Stephen Malkmus & The Jicks |
| Ran Before the Storm | Roo Panes |
| Bendable Poseable | Hot Chip |
| So Long, So Long | Dashboard Confessional |
| Pieprz i sól | Kasia Kowalska |
| Sing Another Song, Boys | Leonard Cohen |
| Sleep Paralysis | Bad Suns |
| All Things All At Once | Tired Pony |
| Curiosity | Turnover |

**Musicnn Results Track2:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Domenica Domingava Num Domingo Linda Toda De Branco | Jorge Ben |
| Scene Four: Beyond This Life | Dream Theater |
| Simple Math | Manchester Orchestra |
| Dr. John | Mika |
| Angels | Robbie Williams |
| She Wants To Know | Half Moon Run |
| Liza Forever Minnelli | The Mountain Goats |
| Morning Star | Cass McCombs |
| Skyline Pigeon | Elton John |
| The Young Ones | Cliff Richard |

**Blf Correlation Results Track3**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Hold On | Yes |
| Door to Door Cannibals | Chevelle |
| Pretty Girls | Britney Spears |
| Lights Turned On | Childish Gambino |
| 19-2000 (Soulchild remix) | Gorillaz |
| Counting Down the Hours | Ted Leo and the Pharmacists |
| So Much I | Red Hot Chili Peppers |
| Dick Lips | blink-182 |
| Jein | Fettes Brot |
| Undivided | Bon Jovi |

**Ivec 256 Results Track3:**

|  |  |
| --- | --- |
| **Song Name** | **Singer** |
| Swords to Rust - Hearts to Dust | Rome |
| Gypsy Woman | Tim Buckley |
| I Am Bored | The Microphones |
| Drunkship of Lanterns | The Mars Volta |
| So Contagious | Acceptance |
| Dark in My Imagination | of Verona |
| Riviera Life | Caro Emerald |
| Ativan | Atlas Sound |
| Baby Bird | Whores. |
| Ten Thousand Ways To Die | Obituary |

Mfcc stats results Task3

|  |  |
| --- | --- |
| Song Name | Singer |
| Raindrops Keep Fallin' On My Head | B.J. Thomas |
| Pure Narcotic | Porcupine Tree |
| Best Love | Rose Royce |
| Raconte-moi une histoire | M83 |
| Mighty Wings | Cheap Trick |
| Love Is A Hurricane | Boyzone |
| Resistance - Live At Rome Olympic Stadium | Muse |
| New World Man | Rush |
| Clouds | Chaka Khan |
| Clouds | Alphaville |

**Musicnn Results Track3**

|  |  |
| --- | --- |
| Song Name | Singer |
| Submarine |  |
| On Battleship Hill |  |
| West Coast |  |
| Beauty and the Beast |  |
| In Real Life |  |
| This Is It |  |
| : Love Will Lead You Back |  |
| Broken Wings |  |
| I'll Never Break Your Heart |  |
| Plains |  |

musicnn Results:

Name: Submarine Singer: Björk

Name: On Battleship Hill Singer: PJ Harvey

Name: West Coast Singer: Coconut Records

Name: Beauty and the Beast Singer: Céline Dion

Name: In Real Life Singer: Molly Nilsson

Name: This Is It Singer: Michael Jackson

Name: Love Will Lead You Back Singer: Taylor Dayne

Name: Broken Wings Singer: Alter Bridge

Name: I'll Never Break Your Heart Singer: Backstreet Boys

Name: Plains Singer: Wye Oak