

BTS UNIVERSE

БІГ ЗОМІАЕКСЕ

Purpose of Project



프로젝트 관련 조사내용

음원관련

- 음원의 좋아요 수
- 음원의 댓글 수
- 음원 스트리밍의 남녀 비율
- 음원 스트리밍의 연령별 비율
- 음원의 최고 순위, 성적
- 사이트 별 음원의 스트리밍 수

앨범관련

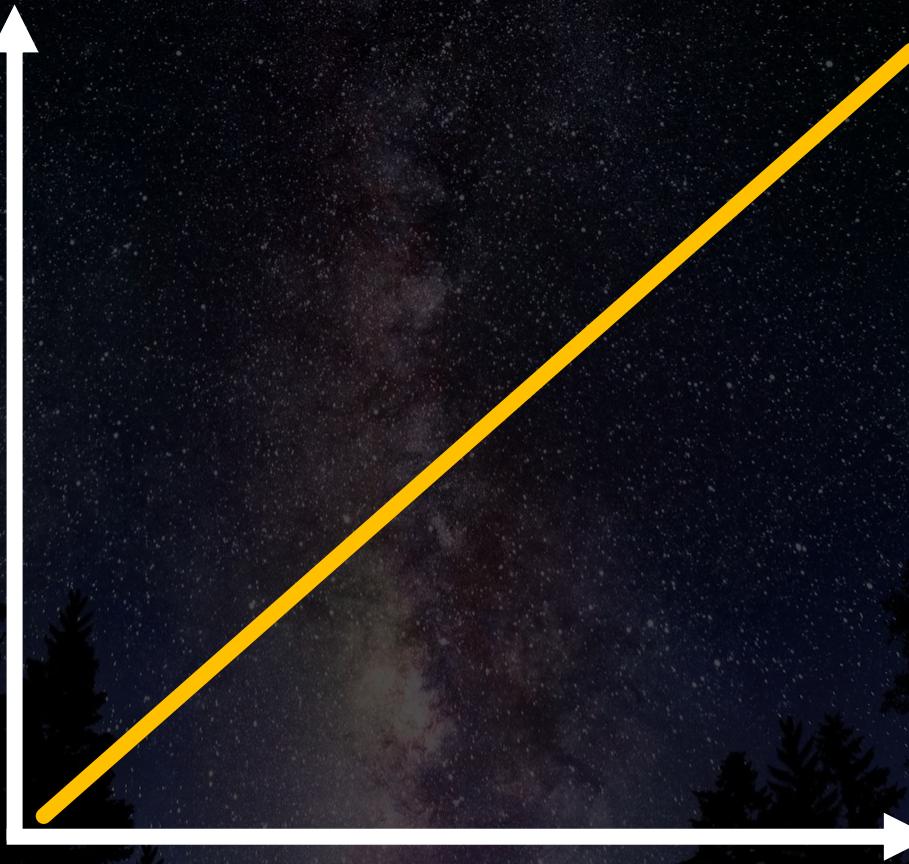
- 앨범의 좋아요 수
- 앨범의 댓글 수
- 앨범의 평점
- 앨범의 수상 실적
- 앨범 발매일 차이 계산
- 방탄소년단의 수상 기록

SNS관련/팬(아미)관련

- 방탄소년단이 이용하는 SNS 팔로워수
- SNS 게시물수
- 아미(방탄소년단 팬)들의 시기 별 증가 폭

월드투어 관련

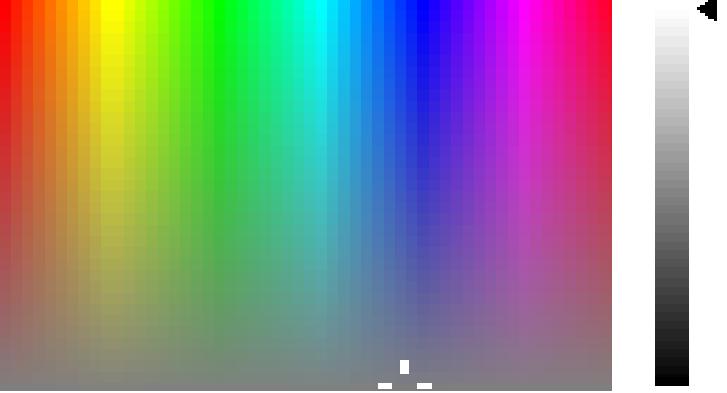
- 방탄소년단의 월드투어 정보
- 월드투어 콘서트장의 정보
- 빅히트에서 콘서트까지의 거리 정보



앨범의 좋아요수
앨범의 댓글수
앨범 발매일 차이
앨범 발매일 순서
수록곡 좋아요수
시기별 팬 증가량

앨범행성의 크기
앨범행성의 자전속도
앨범행성 형성 시간 차이
중심에서부터의 거리
수록곡 텍스트 크기
별 생성 속도 차이

색(C):



색 모델(D): RGB

빨강(R): 255

녹색(G): 255

파랑(B): 255





수치화 데이터

| 앨범명 | 곡명 | 멜론스트리밍수 | 비율 | R | G | B | 순위 |
|-----------------------------------|--|---------|------|-----|-----|-----|----|
| Skool Luv Affair Special Addition | Miss Right | 3352 | 33.5 | 255 | 0 | 0 | 1 |
| Skool Luv Affair Special Addition | 좋아요(Slow Jam Remix) | 620 | 6.2 | 255 | 189 | 189 | 10 |
| Skool Luv Affair Special Addition | Intro : Skool Luv Affair | 355 | 3.5 | 255 | 210 | 210 | 11 |
| Skool Luv Affair Special Addition | 상남자(Boy In Luv) | 1099 | 10.9 | 255 | 105 | 105 | 6 |
| Skool Luv Affair Special Addition | Skit : Soulmate | 204 | 2 | 255 | 231 | 231 | 12 |
| Skool Luv Affair Special Addition | 어디에서 왔는지 | 841 | 8.4 | 255 | 168 | 168 | 9 |
| Skool Luv Affair Special Addition | 하루만 | 2675 | 26.7 | 255 | 21 | 21 | 2 |
| Skool Luv Affair Special Addition | Tomorrow | 1371 | 13.7 | 255 | 42 | 42 | 3 |
| Skool Luv Affair Special Addition | BTS Cypher ParT.2:Triptych | 1050 | 10.5 | 255 | 126 | 126 | 7 |
| Skool Luv Affair Special Addition | 등골브레이커 | 1329 | 13.2 | 255 | 63 | 63 | 4 |
| Skool Luv Affair Special Addition | Jump | 1124 | 11.2 | 255 | 84 | 84 | 5 |
| Skool Luv Affair Special Addition | Outro : Propose | 876 | 8.7 | 255 | 147 | 147 | 8 |
| DARK&WILD | Intro : What Am I To You | 909 | 9 | 255 | 162 | 162 | 10 |
| DARK&WILD | Danger | 3755 | 37.5 | 255 | 0 | 0 | 1 |
| DARK&WILD | 호르몬 전쟁 | 2982 | 29.8 | 255 | 18 | 18 | 2 |
| DARK&WILD | 힙합성애자 | 832 | 8.3 | 255 | 198 | 198 | 12 |
| DARK&WILD | Let Me Know | 1834 | 18.3 | 255 | 90 | 90 | 6 |
| DARK&WILD | Rain | 1871 | 18.7 | 255 | 72 | 72 | 5 |
| DARK&WILD | BTS Cypher ParT.3:KILLER(Feat.Supreme Boi) | 2019 | 20.1 | 255 | 54 | 54 | 4 |
| DARK&WILD | Interlude : 뭐해 | 500 | 5 | 255 | 234 | 234 | 14 |
| DARK&WILD | 핸드폰 좀 꺼줄래 | 885 | 8.8 | 255 | 180 | 180 | 11 |
| DARK&WILD | 이불킥 | 2230 | 22.3 | 255 | 36 | 36 | 3 |
| DARK&WILD | 24/7 =heaven | 1583 | 15.8 | 255 | 108 | 108 | 7 |
| DARK&WILD | 여기 봐 | 1350 | 13.5 | 255 | 126 | 126 | 8 |
| DARK&WILD | 2학년 | 1130 | 11.3 | 255 | 144 | 144 | 9 |
| DARK&WILD | Outro : 그게 말이 돼? | 730 | 7.3 | 255 | 216 | 216 | 13 |
| WAKE UP | INTRO | 76 | 0.7 | 255 | 124 | 124 | 5 |
| WAKE UP | THE STARS | 166 | 1.6 | 255 | 62 | 62 | 3 |
| WAKE UP | JUMP (Japanese Ver.) | 52 | 0.5 | 255 | 186 | 186 | 7 |
| WAKE UP | Danger(Japanese Ver.) | 43 | 0.4 | 255 | 217 | 217 | 8 |
| WAKE UP | BOY IN LUV (Japanese Ver.) | 46 | 0.4 | 255 | 217 | 217 | 8 |
| WAKE UP | JUST ONE DAY (Japanese Ver.Extended) | 63 | 0.6 | 255 | 155 | 155 | 6 |
| WAKE UP | いいね! | 90 | 0.9 | 255 | 93 | 93 | 4 |
| WAKE UP | いいね! Pt.2 ~あの場所で~ | 476 | 4.7 | 255 | 0 | 0 | 1 |
| WAKE UP | NO MORE DREAM (Japanese Ver.) | 47 | 0.4 | 255 | 217 | 217 | 8 |
| WAKE UP | 進撃の防彈 (Japanese Ver.) | 55 | 0.5 | 255 | 186 | 186 | 7 |

수치화 데이터

| 앨범 | 멜론 | 지니 | 전체당 비율 | 점유율당 비율 | 비율합 | 자전속도 |
|------------------------------------|--------|------|----------------------|----------------------|--------------------|------|
| Skool Luv Affair Special Addition | 1481 | 44 | 0.00136052671951377 | 0.00403632694248234 | 0.207529973298526 | 20 |
| DARK&WILD | 5897 | 1006 | 0.00541730321740225 | 0.0922851114576644 | 4.17972557492009 | 417 |
| WAKE UP | 635 | 25 | 0.000583345352391119 | 0.00229336758095588 | 0.113741771314663 | 11 |
| 화양연화 Young Forever | 60334 | 339 | 0.0554260763640406 | 0.0310980643977617 | 2.58768851351041 | 258 |
| WINGS | 240182 | 1294 | 0.220644178626777 | 0.118704705990276 | 10.0771789933613 | 1007 |
| YOUTH | 803 | 78 | 0.000737679240897746 | 0.00715530685258233 | 0.331062444813373 | 33 |
| YOU NEVER WALK ALONE | 200297 | 1540 | 0.184003659917927 | 0.141271442986882 | 10.2640240096172 | 1026 |
| FACE YOURSELF | 2823 | 176 | 0.00259336051937028 | 0.0161453077699294 | 0.767447473303038 | 76 |
| LOVE YOURSELF 轉 `Tear` | 104932 | 853 | 0.0963962118379604 | 0.0782497018622145 | 5.56370354237257 | 556 |
| LOVE YOURSELF 結 `Answer` | 93306 | 835 | 0.0857159392916626 | 0.0765984772039262 | 5.25608366138933 | 525 |
| 2 COOL 4 SKOOL | 1864 | 49 | 0.00171237123914495 | 0.00449500045867352 | 0.235452187442824 | 23 |
| O!RUL8,2? | 1429 | 39 | 0.00131275670640458 | 0.00357765342629117 | 0.186297398297712 | 18 |
| Skool Luv Affair | 4365 | 44 | 0.00400992513887753 | 0.00403632694248234 | 0.265816738524529 | 26 |
| No More Dream(Japanes ver.) | 173 | 10 | 0.000158927158997895 | 0.00091734703238235 | 0.0438596669227771 | 4 |
| Boy In Luv (Japanese Ver.) | 160 | 7 | 0.000146984655720597 | 0.000642142922667645 | 0.0314879510232295 | 3 |
| Danger (Mo-Blue-Mix) (Feat. Thanh) | 281 | 14 | 0.000258141801609298 | 0.00128428584533529 | 0.0621876968301573 | 6 |
| Danger (Japanese Ver.) | 124 | 13 | 0.000113913108183463 | 0.00119255114209706 | 0.0549783386323066 | 5 |
| 화양연화 pt.1 | 44584 | 227 | 0.0409572743165443 | 0.0208237776350794 | 1.81730625090747 | 181 |

수치화 데이터

| 앨범명 | 발매일 | 차이 | 비율 | |
|--|------------|-----|-------|------|
| 2 COOL 4 SKOOL | 2013.06.12 | | | |
| Skool Luv Affair | 2014.02.12 | 245 | 0.09 | 9 |
| SKOOL LUV AFFAIR SPECIAL ADDITION | 2014.05.14 | 91 | 0.033 | 3.3 |
| DARK&WILD | 2014.08.20 | 98 | 0.036 | 3.6 |
| No More Dream (Japanese Ver.) | 2014.09.30 | 41 | 0.015 | 1.5 |
| Boy In Luv (Japanese Ver.) | 2014.10.07 | 7 | 0.002 | 0.2 |
| Danger (Mo-Blue-Mix) | 2014.11.21 | 45 | 0.016 | 1.6 |
| Danger (Japanese Ver.) | 2015.02.12 | 83 | 0.03 | 3 |
| WAKE UP | 2015.02.26 | 14 | 0.005 | 0.5 |
| 화양연화 pt.1 | 2015.04.29 | 62 | 0.022 | 2.2 |
| FOR YOU | 2015.08.24 | 117 | 0.043 | 4.3 |
| 화양연화 pt.2 | 2015.11.30 | 98 | 0.036 | 3.6 |
| I NEED U (Japanese Ver.) | 2016.02.15 | 77 | 0.028 | 2.8 |
| 화양연화 Young Forever | 2016.05.02 | 77 | 0.028 | 2.8 |
| RUN (Japanese Ver.) | 2016.05.19 | 17 | 0.006 | 0.6 |
| WINGS | 2016.10.10 | 144 | 0.053 | 5.3 |
| YOUTH | 2016.11.09 | 30 | 0.011 | 1.1 |
| YOU NEVER WALK ALONE | 2017.02.13 | 96 | 0.035 | 3.5 |
| Blood Sweat & Tears | 2017.05.10 | 86 | 0.031 | 3.1 |
| Come Back Home | 2017.07.04 | 55 | 0.02 | 2 |
| LOVE YOURSELF 承 'Her' | 2017.09.18 | 76 | 0.028 | 2.8 |
| MIC Drop (Steve Aoki Remix) (Feat. Desiigner) | 2017.11.24 | 67 | 0.024 | 2.4 |
| MIC Drop/DNA/Crystal Snow | 2017.12.06 | 12 | 0.004 | 0.4 |
| FACE YOURSELF | 2018.04.04 | 119 | 0.043 | 4.3 |
| LOVE YOURSELF 轉 'Tear' | 2018.05.18 | 409 | 0.151 | 15.1 |
| FAKE LOVE (Rocking Vibe Mix) | 2018.06.04 | 17 | 0.006 | 0.6 |
| LOVE YOURSELF 結 'Answer' | 2018.08.24 | 81 | 0.029 | 2.9 |
| FAKE LOVE / Airplane pt.2 | 2018.11.07 | 75 | 0.027 | 2.7 |

수치화 데이터

| 일자 | 전체글 | 활동회원수 | 가입회원수 | 페이지뷰 | 랭킹변화단계 | 랭킹점수 | | 발매후 팬수 | 차이 |
|-----------------------|-----|-------|-------|------|--------|------|--|--------|----|
| 2010.09.23~2010.10.06 | 198 | 105 | 233 | 329 | 66 | 192 | | | |
| 2010.10.07~2010.10.20 | 296 | 182 | 347 | 435 | 60 | 156 | | | |
| 2010.10.21~2010.11.03 | 386 | 189 | 439 | 522 | 68 | 210 | | | |
| 2010.11.04~2010.11.17 | 392 | 106 | 464 | 191 | 52 | 123 | | | |
| 2010.11.18~2010.12.01 | 395 | 74 | 473 | 100 | 35 | 77 | | | |

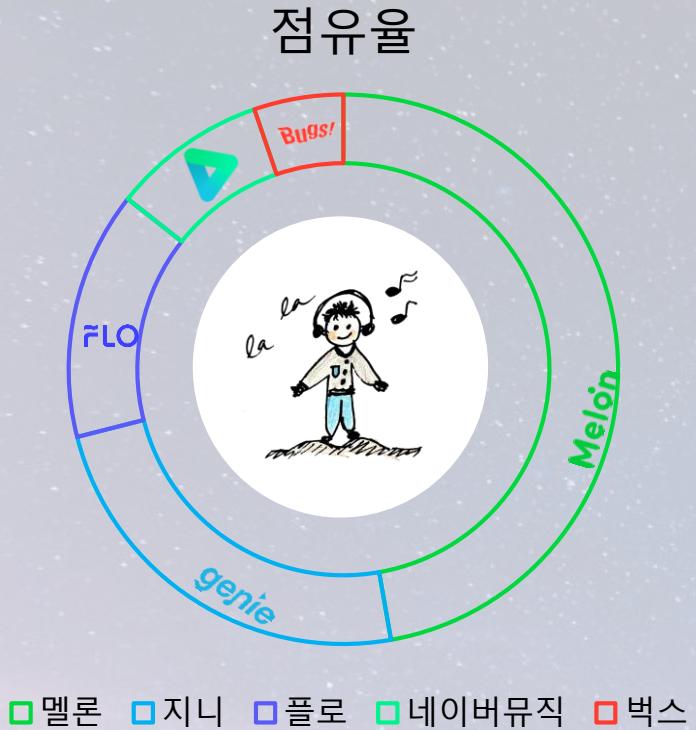
| | | | | | | | | | |
|-------------------------|---------|--------|--------|--------|-----|--------|--|--------|--------|
| 2014.07.21 ~ 2014.07.27 | 304,148 | 7,374 | 55,856 | 10,737 | 148 | 24230 | | | |
| 2014.07.28 ~ 2014.08.03 | 306,866 | 9,180 | 56,283 | 17,362 | 153 | 30378 | | | |
| 2014.08.04 ~ 2014.08.10 | 310,562 | 10,952 | 57,372 | 27,402 | 162 | 46649 | | | |
| 2014.08.11 ~ 2014.08.17 | 313,987 | 10,501 | 58,173 | 23,992 | 155 | 34701 | | 58,173 | |
| 2014.08.18 ~ 2014.08.24 | 321,807 | 12,905 | 59,826 | 43,981 | 168 | 60927 | | | |
| 2014.08.25 ~ 2014.08.31 | 328,008 | 12,032 | 61,180 | 34,225 | 165 | 55264 | | | |
| 2014.09.01 ~ 2014.09.07 | 332,463 | 11,914 | 62,244 | 32,229 | 163 | 50194 | | | 6,363 |
| 2014.09.08 ~ 2014.09.14 | 337,031 | 11,042 | 63,202 | 25,715 | 161 | 45371 | | | |
| 2014.09.15 ~ 2014.09.21 | 339,556 | 9,609 | 63,883 | 18,052 | 155 | 33708 | | | |
| 2014.09.22 ~ 2014.09.28 | 341,527 | 9,262 | 64,536 | 19,371 | 155 | 34175 | | 64,536 | |
| 2014.09.29 ~ 2014.10.05 | 343,828 | 9,606 | 65,309 | 21,883 | 154 | 33009 | | | 65,309 |
| 2014.10.06 ~ 2014.10.12 | 346,354 | 9,559 | 66,042 | 26,708 | 155 | 34696 | | | |
| 2014.10.13 ~ 2014.10.19 | 348,595 | 10,421 | 66,874 | 30,226 | 158 | 40019 | | | |
| 2014.10.20 ~ 2014.10.26 | 354,285 | 12,048 | 68,096 | 34,551 | 166 | 57063 | | | 5,921 |
| 2014.10.27 ~ 2014.11.02 | 371,453 | 10,507 | 69,000 | 27,446 | 163 | 49870 | | | |
| 2014.11.03 ~ 2014.11.09 | 380,472 | 11,320 | 70,131 | 35,797 | 165 | 53729 | | | |
| 2014.11.10 ~ 2014.11.16 | 385,216 | 11,767 | 71,230 | 30,604 | 165 | 54573 | | 71,230 | |
| 2014.11.17 ~ 2014.11.23 | 398,030 | 9,817 | 71,963 | 28,175 | 161 | 45160 | | | |
| 2014.11.24 ~ 2014.11.30 | 410,920 | 10,008 | 72,640 | 27,921 | 160 | 43805 | | | |
| 2014.12.01 ~ 2014.12.07 | 429,112 | 9,535 | 73,266 | 21,591 | 158 | 38529 | | | |
| 2014.12.08 ~ 2014.12.14 | 441,478 | 10,907 | 74,311 | 31,623 | 165 | 55430 | | | |
| 2014.12.15 ~ 2014.12.21 | 466,332 | 17,013 | 77,651 | 53,583 | 177 | 125595 | | | 16,657 |
| 2014.12.22 ~ 2014.12.28 | 481,457 | 13,083 | 78,883 | 42,221 | 170 | 67653 | | | |
| 2014.12.29 ~ 2015.01.04 | 497,407 | 13,763 | 80,443 | 33,957 | 170 | 67581 | | | |
| 2015.01.05 ~ 2015.01.11 | 507,051 | 16,725 | 83,088 | 56,903 | 173 | 92458 | | | |
| 2015.01.12 ~ 2015.01.18 | 511,949 | 16,107 | 84,934 | 45,979 | 171 | 78347 | | | |
| 2015.01.19 ~ 2015.01.25 | 518,708 | 15,186 | 86,136 | 36,943 | 162 | 46564 | | | |
| 2015.01.26 ~ 2015.02.01 | 524,790 | 14,314 | 86,983 | 31,632 | 164 | 51920 | | | |
| 2015.02.02 ~ 2015.02.08 | 530,597 | 13,421 | 87,887 | 29,959 | 163 | 49629 | | 87,887 | |
| 2015.02.09 ~ 2015.02.15 | 539,343 | 17,346 | 89,093 | 68,550 | 171 | 72244 | | | 2,266 |
| 2015.02.16 ~ 2015.02.22 | 551,799 | 16,594 | 90,153 | 69,615 | 171 | 71418 | | | 90,153 |
| 2015.02.23 ~ 2015.03.01 | 565,466 | 17,294 | 91,322 | 73,709 | 171 | 74151 | | | |
| 2015.03.02 ~ 2015.03.08 | 573,419 | 12,649 | 91,729 | 26,570 | 160 | 43453 | | | |
| 2015.03.09 ~ 2015.03.15 | 580,618 | 14,377 | 92,520 | 49,183 | 166 | 55517 | | | |
| 2015.03.16 ~ 2015.03.22 | 586,294 | 13,026 | 93,023 | 33,509 | 159 | 42055 | | | 6,846 |
| 2015.03.23 ~ 2015.03.29 | 591,828 | 12,174 | 93,449 | 32,403 | 159 | 40900 | | | |
| 2015.03.30 ~ 2015.04.05 | 599,599 | 15,225 | 94,462 | 53,646 | 167 | 59986 | | | |
| 2015.04.06 ~ 2015.04.12 | 608,389 | 13,831 | 95,188 | 37,671 | 166 | 55535 | | | |

수치화 데이터

| 앨범명 | 발매일 | 차이 | 비율 | |
|--|------------|-----|-------|------|
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| Skool Luv Affair | 2014.02.12 | 245 | 0.09 | 9 |
| SKOOL LUV AFFAIR SPECIAL ADDITION | 2014.05.14 | 91 | 0.033 | 3.3 |
| DARK&WILD | 2014.08.20 | 98 | 0.036 | 3.6 |
| No More Dream (Japanese Ver.) | 2014.09.30 | 41 | 0.015 | 1.5 |
| Boy In Luv (Japanese Ver.) | 2014.10.07 | 7 | 0.002 | 0.2 |
| Danger (Mo-Blue-Mix) | 2014.11.21 | 45 | 0.016 | 1.6 |
| Danger (Japanese Ver.) | 2015.02.12 | 83 | 0.03 | 3 |
| WAKE UP | 2015.02.26 | 14 | 0.005 | 0.5 |
| 화양연화 pt.1 | 2015.04.29 | 62 | 0.022 | 2.2 |
| FOR YOU | 2015.08.24 | 117 | 0.043 | 4.3 |
| 화양연화 pt.2 | 2015.11.30 | 98 | 0.036 | 3.6 |
| I NEED U (Japanese Ver.) | 2016.02.15 | 77 | 0.028 | 2.8 |
| 화양연화 Young Forever | 2016.05.02 | 77 | 0.028 | 2.8 |
| RUN (Japanese Ver.) | 2016.05.19 | 17 | 0.006 | 0.6 |
| WINGS | 2016.10.10 | 144 | 0.053 | 5.3 |
| YOUTH | 2016.11.09 | 30 | 0.011 | 1.1 |
| YOU NEVER WALK ALONE | 2017.02.13 | 96 | 0.035 | 3.5 |
| Blood Sweat & Tears | 2017.05.10 | 86 | 0.031 | 3.1 |
| Come Back Home | 2017.07.04 | 55 | 0.02 | 2 |
| LOVE YOURSELF 承 'Her' | 2017.09.18 | 76 | 0.028 | 2.8 |
| MIC Drop (Steve Aoki Remix) (Feat. Desiigner) | 2017.11.24 | 67 | 0.024 | 2.4 |
| MIC Drop/DNA/Crystal Snow | 2017.12.06 | 12 | 0.004 | 0.4 |
| FACE YOURSELF | 2018.04.04 | 119 | 0.043 | 4.3 |
| LOVE YOURSELF 轉 'Tear' | 2018.05.18 | 409 | 0.151 | 15.1 |
| FAKE LOVE (Rocking Vibe Mix) | 2018.06.04 | 17 | 0.006 | 0.6 |
| LOVE YOURSELF 結 'Answer' | 2018.08.24 | 81 | 0.029 | 2.9 |
| FAKE LOVE / Airplane pt.2 | 2018.11.07 | 75 | 0.027 | 2.7 |

| 일자 | 전체글 | 활동회원수 | 가입회원수 | 페이지뷰 | 랭킹변화단계 | 랭킹점수 | | 발매후 팬수 | 차이 |
|-------------------------|---------|--------|--------|--------|--------|--------|--|--------|--------|
| 2010.09.23~2010.10.06 | 198 | 105 | 233 | 329 | 66 | 192 | | | |
| 2010.10.07~2010.10.20 | 296 | 182 | 347 | 435 | 60 | 156 | | | |
| 2010.10.21~2010.11.03 | 386 | 189 | 439 | 522 | 68 | 210 | | | |
| 2010.11.04~2010.11.17 | 392 | 106 | 464 | 191 | 52 | 123 | | | |
| 2010.11.18~2010.12.01 | 395 | 74 | 473 | 100 | 35 | 77 | | | |
| 2014.07.21 ~ 2014.07.27 | 304,148 | 7,374 | 55,856 | 10,737 | 148 | 24230 | | | |
| 2014.07.28 ~ 2014.08.03 | 306,866 | 9,180 | 56,283 | 17,362 | 153 | 30378 | | | |
| 2014.08.04 ~ 2014.08.10 | 310,562 | 10,952 | 57,372 | 27,402 | 162 | 46649 | | | |
| 2014.08.11 ~ 2014.08.17 | 313,987 | 10,501 | 58,173 | 23,992 | 155 | 34701 | | 58,173 | |
| 2014.08.18 ~ 2014.08.24 | 321,807 | 12,905 | 59,826 | 43,981 | 168 | 60927 | | | |
| 2014.08.25 ~ 2014.08.31 | 328,008 | 12,032 | 61,180 | 34,225 | 165 | 55264 | | | |
| 2014.09.01 ~ 2014.09.07 | 332,463 | 11,914 | 62,244 | 32,229 | 163 | 50194 | | | 6,363 |
| 2014.09.08 ~ 2014.09.14 | 337,031 | 11,042 | 63,202 | 25,715 | 161 | 45371 | | | |
| 2014.09.15 ~ 2014.09.21 | 339,556 | 9,609 | 63,883 | 18,052 | 155 | 33708 | | | |
| 2014.09.22 ~ 2014.09.28 | 341,527 | 9,262 | 64,536 | 19,371 | 155 | 34175 | | 64,536 | |
| 2014.09.29 ~ 2014.10.05 | 343,828 | 9,606 | 65,309 | 21,883 | 154 | 33009 | | 65,309 | |
| 2014.10.06 ~ 2014.10.12 | 346,354 | 9,559 | 66,042 | 26,708 | 155 | 34696 | | | |
| 2014.10.13 ~ 2014.10.19 | 348,595 | 10,421 | 66,874 | 30,226 | 158 | 40019 | | | 5,921 |
| 2014.10.20 ~ 2014.10.26 | 354,285 | 12,048 | 68,096 | 34,551 | 166 | 57063 | | | |
| 2014.10.27 ~ 2014.11.02 | 371,453 | 10,507 | 69,000 | 27,446 | 163 | 49870 | | | |
| 2014.11.03 ~ 2014.11.09 | 380,472 | 11,320 | 70,131 | 35,797 | 165 | 53729 | | | |
| 2014.11.10 ~ 2014.11.16 | 385,216 | 11,767 | 71,230 | 30,604 | 165 | 54573 | | 71,230 | |
| 2014.11.17 ~ 2014.11.23 | 398,030 | 9,817 | 71,963 | 28,175 | 161 | 45160 | | | |
| 2014.11.24 ~ 2014.11.30 | 410,920 | 10,008 | 72,640 | 27,921 | 160 | 43805 | | | |
| 2014.12.01 ~ 2014.12.07 | 429,112 | 9,535 | 73,266 | 21,591 | 158 | 38529 | | | |
| 2014.12.08 ~ 2014.12.14 | 441,478 | 10,907 | 74,311 | 31,623 | 165 | 55430 | | | |
| 2014.12.15 ~ 2014.12.21 | 466,332 | 17,013 | 77,651 | 53,583 | 177 | 125595 | | | 16,657 |
| 2014.12.22 ~ 2014.12.28 | 481,457 | 13,083 | 78,883 | 42,221 | 170 | 67653 | | | |
| 2014.12.29 ~ 2015.01.04 | 497,407 | 13,763 | 80,443 | 33,957 | 170 | 67581 | | | |
| 2015.01.05 ~ 2015.01.11 | 507,051 | 16,725 | 83,088 | 56,903 | 173 | 92458 | | | |
| 2015.01.12 ~ 2015.01.18 | 511,949 | 16,107 | 84,934 | 45,979 | 171 | 78347 | | | |
| 2015.01.19 ~ 2015.01.25 | 518,708 | 15,186 | 86,136 | 36,943 | 162 | 46564 | | | |
| 2015.01.26 ~ 2015.02.01 | 524,790 | 14,314 | 86,983 | 31,632 | 164 | 51920 | | | |
| 2015.02.02 ~ 2015.02.08 | 530,597 | 13,421 | 87,887 | 29,959 | 163 | 49629 | | | 87,887 |
| 2015.02.09 ~ 2015.02.15 | 539,343 | 17,346 | 89,093 | 68,550 | 171 | 72244 | | | 2,266 |
| 2015.02.16 ~ 2015.02.22 | 551,799 | 16,594 | 90,153 | 69,615 | 171 | 71418 | | 90,153 | |
| 2015.02.23 ~ 2015.03.01 | 565,466 | 17,294 | 91,322 | 73,709 | 171 | 74151 | | | |
| 2015.03.02 ~ 2015.03.08 | 573,419 | 12,649 | 91,729 | 26,570 | 160 | 43453 | | | |
| 2015.03.09 ~ 2015.03.15 | 580,618 | 14,377 | 92,520 | 49,183 | 166 | 55517 | | | |
| 2015.03.16 ~ 2015.03.22 | 586,294 | 13,026 | 93,023 | 33,509 | 159 | 42055 | | | 6,846 |
| 2015.03.23 ~ 2015.03.29 | 591,828 | 12,174 | 93,449 | 32,403 | 159 | 40900 | | | |
| 2015.03.30 ~ 2015.04.05 | 599,599 | 15,225 | 94,462 | 53,646 | 167 | 59986 | | | |
| 2015.04.06 ~ 2015.04.12 | 608,389 | 13,831 | 95,188 | 37,671 | 166 | 55535 | | | |

수치화 데이터

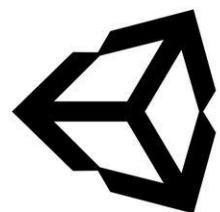


| | 멜론 | 지니 | 전체당 비율 | 전체당 비율 | 점유율에 따른 비율 | 점유율에 따른 비율 | 앨범 크기 |
|---|---------|--------|---------------------|--------|------------------|------------|-------|
| Skool Luv Affair Special Addition | 64458 | 10274 | 0.0279116050233788 | 0 | 61.4055310514333 | 130 | 190 |
| DARK&WILD | 74941 | 12346 | 0.0324509539864257 | 0 | 71.3920987701365 | 156 | 236 |
| WAKE UP | 45664 | 6863 | 0.01977342660074 | 0 | 43.5015385201627 | 87 | 129 |
| 화양연화 Young Forever | 110734 | 20411 | 0.0479500398811447 | 0 | 105.490087738518 | 258 | 362 |
| WINGS | 128524 | 28389 | 0.0556534661954254 | 0 | 122.437625629936 | 359 | 480 |
| YOUTH | 53539 | 7821 | 0.0231834593277277 | 0 | 51.003610521001 | 99 | 149 |
| YOU NEVER WALK ALONE | 141,718 | 26451 | 0 | 0 | 135 | 334 | 469 |
| FACE YOURSELF | 52884 | 6508 | 0.0228998312087927 | 0 | 50.379628659344 | 82 | 132 |
| LOVE YOURSELF 轉 'Tear' | 126359 | 19177 | 0.0547159778328387 | 0 | 120.375151232245 | 242 | 362 |
| LOVE YOURSELF 結 'Answer' | 119473 | 17115 | 0.0517342019137753 | 0 | 113.815244210306 | 216 | 329 |
| 2 COOL 4 SKOOL | 69641 | 10913 | 0.0301559478332111 | 0 | 66.3430852330644 | 138 | 203 |
| O!RUL8,2? | 66533 | 10,460 | 0.0288101215833637 | 0 | 63.3822674834002 | 132 | 195 |
| Skool Luv Affair | 71828 | 10274 | 0.0311029626364338 | 0 | 68.4265178001543 | 130 | 197 |
| No More Dream (Japanese Ver.) | 40216 | 6033 | 0.0174143334825809 | 0 | 38.311533661678 | 76 | 114 |
| Boy In Luv (Japanese Ver.) | 39,911 | 5978 | 0 | 0 | 38 | 76 | 113 |
| Danger (Mo-Blue-Mix) (Feat. Thanh) | 42,403 | 6527 | 0 | 0 | 40 | 82 | 122 |
| Danger (Japanese Ver.) | 39,625 | 5921 | 0 | 0 | 38 | 75 | 111 |
| 화양연화 pt.1 | 96,846 | 15330 | 0 | 0 | 92 | 194 | 285 |
| FOR YOU | 46,963 | 7237 | 0 | 0 | 45 | 91 | 135 |
| 화양연화 pt.2 | 101616 | 16,292 | 0.0440017632575577 | 0 | 96.803879166627 | 206 | 301 |
| I NEED U (Japanese Ver.) | 40931 | 6,513 | 0.0177239428032504 | 0 | 38.9926741671509 | 82 | 120 |
| RUN (Japanese Ver.) | 42472 | 6,700 | 0.0183912266677983 | 0 | 40.4606986691562 | 85 | 124 |
| Come Back Home | 58383 | 6,885 | 0.0252810083477601 | 0 | 55.6182183650723 | 87 | 141 |
| Blood Sweat & Tears | 40325 | 5,171 | 0.0174615326657319 | 0 | 38.4153718646102 | 65 | 99 |
| LOVE YOURSELF 承 'Her' | 151243 | 20,293 | 0.0654912482321957 | 0 | 144.080746110831 | 256 | 400 |
| MIC Drop (Steve Aoki Remix) (Feat. Des) | 52925 | 6673 | 0.022917585029978 | 0 | 50.4186870659515 | 84 | 134 |
| MIC Drop/DNA/Crystal Snow | 43413 | 5537 | 0.0187986985150011 | 0 | 41.3571367330024 | 70 | 130 |
| FAKE LOVE (Rocking Vibe Mix) | 47419 | 5758 | 0.0205333767508082 | 0 | 45.1734288517781 | 73 | 117 |
| FAKE LOVE / Airplane pt.2 | 22988 | 2002 | 0.00995426442454669 | 0 | 21.8993817340027 | 25 | 46 |
| MAP OF THE SOUL : PERSONA | 108140 | 19029 | 0.0468267859261562 | 0 | 103.018929037544 | 240 | 343 |
| Lights / Boy With Luv | 17150 | 2523 | 0.00742629349577935 | 0 | 16.3378456907146 | 32 | 47 |
| Make It Right (feat. Lauv) (Acoustic Rem) | 9830 | 960 | 0.00425658688416974 | 0 | 9.36449114517343 | 12 | 21 |
| Make It Right (feat. Lauv) (EDM Remix) | 10788 | 1259 | 0.004671420071864 | 0 | 10.2771241581008 | 16 | 25 |
| Make It Right (feat. Lauv) | 19089 | 2957 | 0.00826591933183277 | 0 | 18.1850225300321 | 37 | 55 |
| Dream Glow (BTS WORLD OST Part.1) | 33303 | 3855 | 0.014420866022737 | 0 | 31.7259052500214 | 49 | 79 |
| A Brand New Day (BTS WORLD OST Part.2) | 26002 | 3030 | 0.0112593867916767 | 0 | 24.7706509416887 | 38 | 62 |
| All Night (BTS WORLD OST Part.3) | 23360 | 2814 | 0.0101153478753006 | 0 | 22.2537653256614 | 36 | 57 |
| BTS WORLD OST | 27725 | 3954 | 0.0120054803014859 | 0 | 26.4120566632689 | 50 | 75 |



Excel

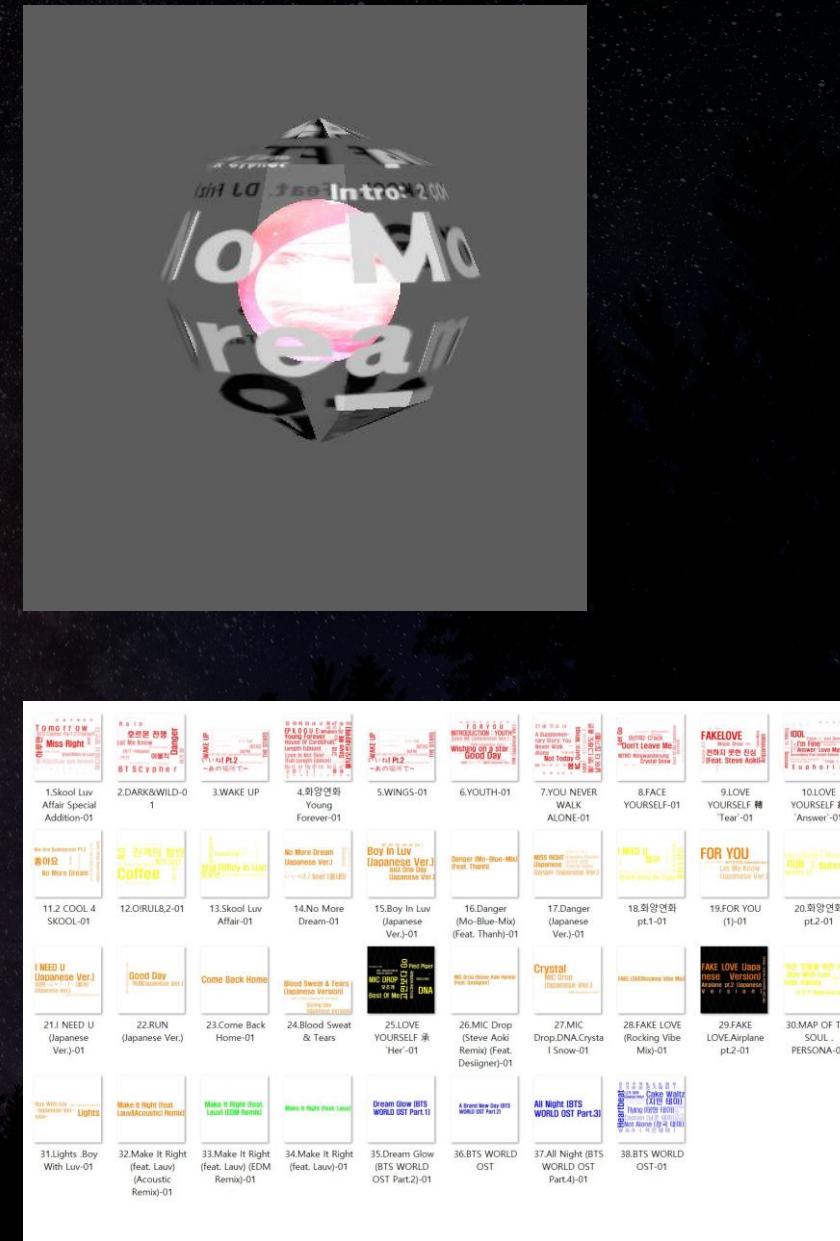
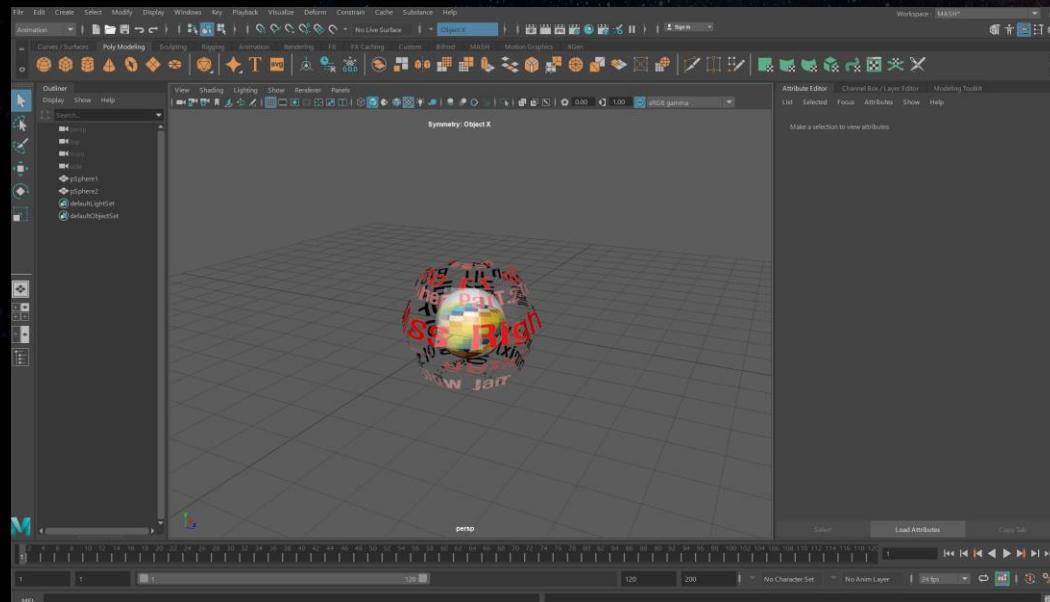
DATA VISUALIZATION



unity



4) MAYA구현_앨범행성 모델링



4) UNITY구현_C# 코딩 내용

```
1  using System.Collections;
2  using System.Collections.Generic;
3  using UnityEngine;
4
5  public class fixscale : MonoBehaviour
6  {
7      //n초뒤 비율에 따라 크기를 키워 나타나게 하는 코드
8      public float time;
9      public float x;
10     // Start is called before the first frame update
11     void Start()
12     {
13         transform.localScale = new Vector3(0, 0, 0);
14         Invoke("scale", time); //time 변수를 입력받고 time초 뒤에 scale함수 실행
15     }
16
17     // Update is called once per frame
18     void Update()
19     {
20     }
21
22     void scale()
23     {
24         this.transform.localScale = new Vector3(x, x, x);
25     }
26
27 }
```

_앨범행성 크기 관련

4) UNITY구현_C# 코딩 내용

```
1  using System.Collections;
2  using System.Collections.Generic;
3  using UnityEngine;
4
5  public class fixrotate : MonoBehaviour
6  {
7      //비율에 따라 회전 속도를 지정해주는 코드
8      public float speed; //speed 변수를 입력받도록
9      // Start is called before the first frame update
10     void Start()
11     {
12     }
13
14
15     // Update is called once per frame
16     private void Update()
17     {
18         rotate();
19     }
20
21     void rotate()
22     {
23         transform.RotateAround(transform.position, Vector3.up, speed * Time.deltaTime);
24     }
25 }
26
```

_앨범행성 회전 관련

4) UNITY구현_C# 코딩 내용

```
1  using System.Collections;
2  using System.Collections.Generic;
3  using UnityEngine;
4
5  public class Pause : MonoBehaviour
6  {
7
8      bool IsPause;
9
10     // Start is called before the first frame update
11     void Start()
12     {
13         IsPause = false;
14     }
15
16     // Update is called once per frame
17     void Update()
18     {
19         if (Input.GetKeyDown(KeyCode.Space))
20         {
21             /*일시정지 활성화*/
22             if (IsPause == false)
23             {
24                 Time.timeScale = 0;
25                 IsPause = true;
26                 return;
27             }
28
29             /*일시정지 비활성화*/
30             if (IsPause == true)
31             {
32                 Time.timeScale = 1;
33                 IsPause = false;
34                 return;
35             }
36         }
37     }
38 }
```

_PAUSE 관련

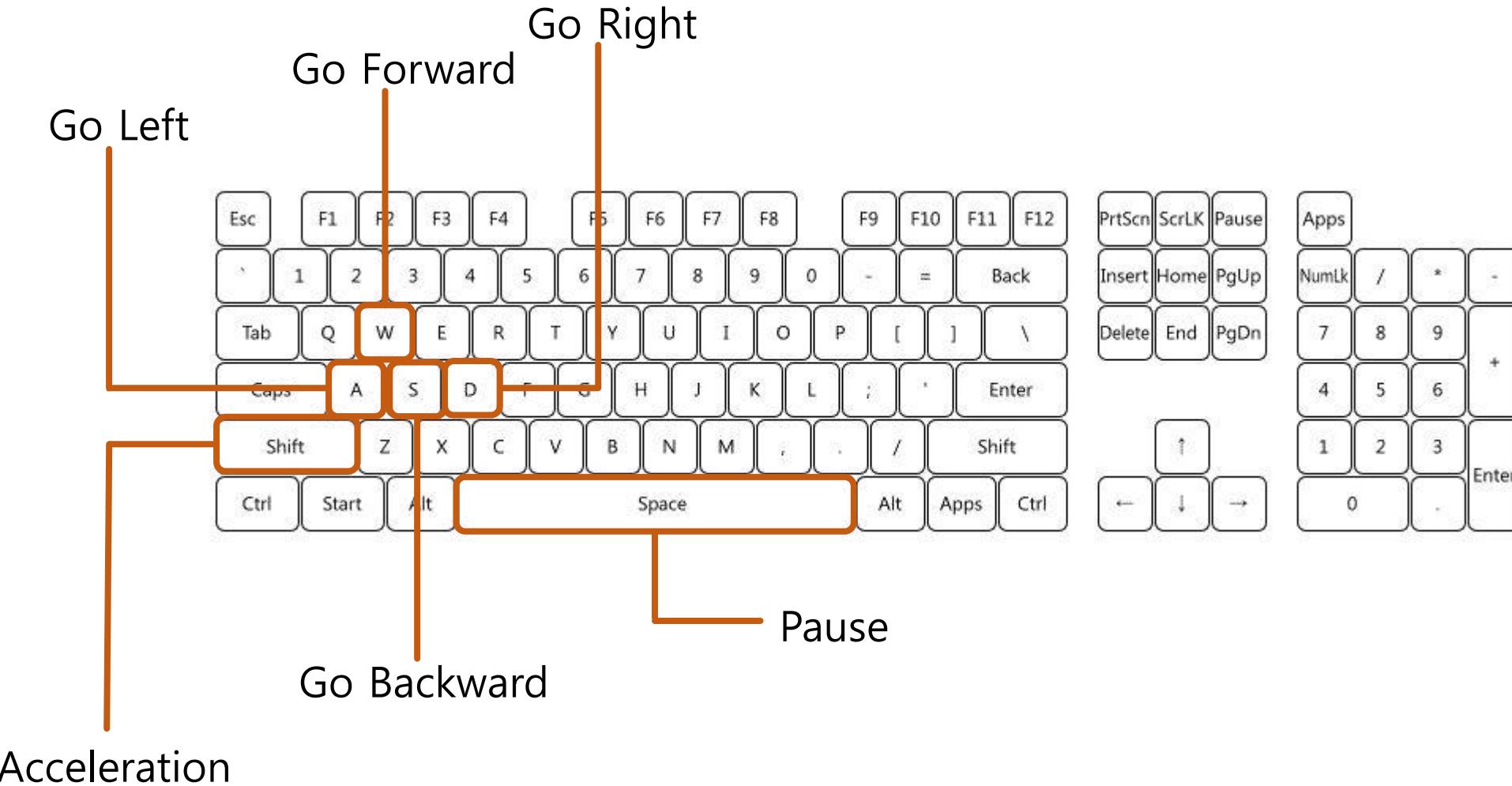
4) UNITY구현_C# 코딩 내용

```
1  using System.Collections;
2  using System.Collections.Generic;
3  using UnityEngine;
4
5  public class ParticleRit : MonoBehaviour
6  {
7      //파티클 스피드 조절
8      public ParticleSystem ps;
9      // Start is called before the first frame update
10     void Start()
11     {
12     }
13
14     public float slow = 0.9f;
15
16     // Update is called once per frame
17     void Update()
18     {
19         ParticleSystem.Particle[] p = new ParticleSystem.Particle[ps.particleCount + 1];
20         int l = ps.GetParticles(p);
21         for(int i = 0; i<l; i++)
22         {
23             Vector3 vel = p[i].velocity;
24             p[i].velocity = vel * slow;
25         }
26         ps.SetParticles(p, l);
27     }
28 }
29
```

_PARTICLE 관련

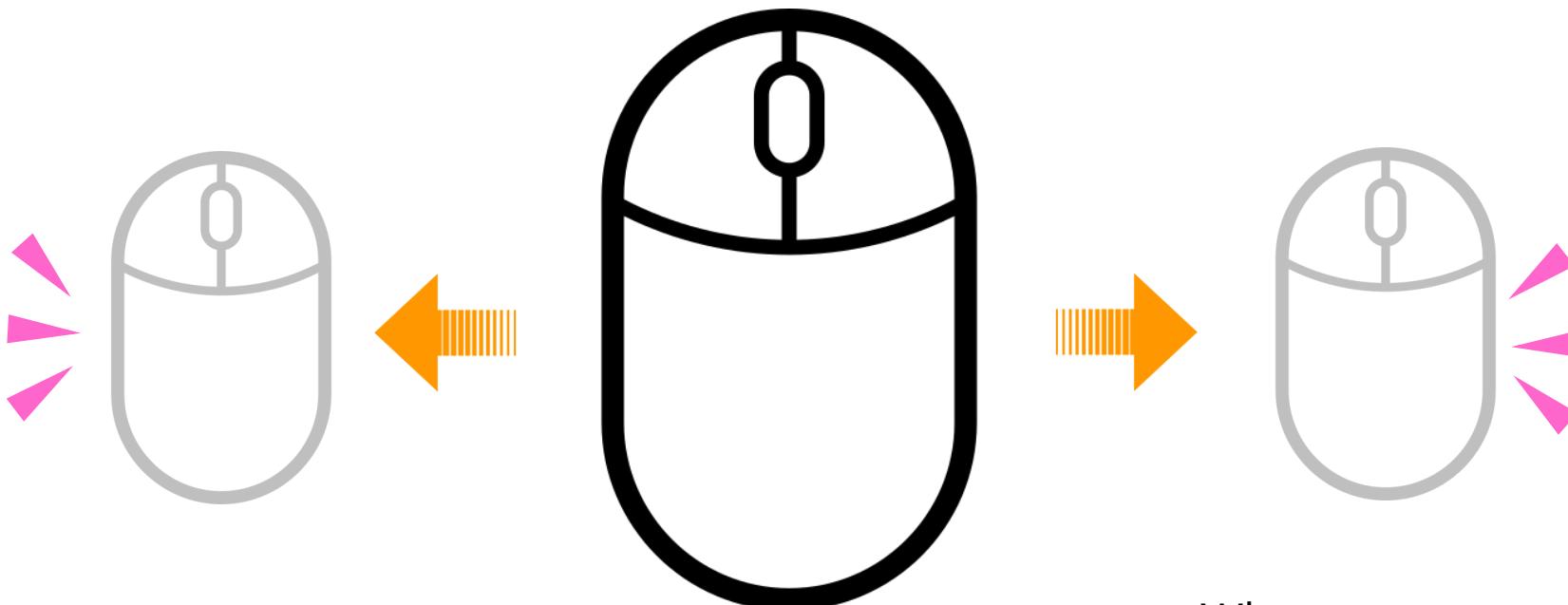


How To Use (in 최종결과물)





How To Use (in 최종결과물)



When mouse move to left,
ViewPoint will turn to Left.

When mouse move to right,
ViewPoint will turn to right.



활용 방안 및 기대 효과



활용 방안 및 기대 효과



THANK
YOU