영화 평점 분석

- 영화 평점정보를 크롤링하여 평점의 변화에 대한 시각화 분석을 진행
  - 영화 평점 정보 크롤링
  - 정형데이터로 정리
  - 평점을 이용한 시각화

In [1]:
```python
#필요 패키지 import
from urllib.request import urlopen
from bs4 import BeautifulSoup
import pandas as pd
import numpy as np
from urllib.parse import urljoin,quote
import urllib
from tqdm import tqdm_notebook
```

In [ ]:
```python
# https://movie.naver.com/movie/sdb/rank/rmovie.naver?sel=cur&tg=0&date=20220726
# https://movie.naver.com/movie/sdb/rank/rmovie.naver?sel=cur&tg=0&date=20220725
```

In [17]:
```python
# URL 생성
url_base = 'https://movie.naver.com/'
url_sub = '/movie/sdb/rank/rmovie.naver?sel=cur&tg=0&date=20220727'
url = url_base+url_sub
url
```

Out[17]: `'https://movie.naver.com//movie/sdb/rank/rmovie.naver?sel=cur&tg=0&date=20220727'`

In [18]:
```python
# 두개의 url을 결합해주는 함수 - url형식을 체크
url = urljoin(url_base, url_sub)
url
```

Out[18]: `'https://movie.naver.com/movie/sdb/rank/rmovie.naver?sel=cur&tg=0&date=20220727'`

In [19]:
```python
# 페이지 요청
```

```
html = urlopen(url)
# 파싱객체 생성
soup = BeautifulSoup(html, "html.parser")
```

In [20]:
```
soup
```

Out[20]:   `<!DOCTYPE html>`

```html
<html lang="ko">
<head>
<meta content="text/html; charset=utf-8" http-equiv="Content-Type"/>
<meta content="IE=edge" http-equiv="X-UA-Compatible"/>
<meta content="http://imgmovie.naver.com/today/naverme/naverme_profile.jpg" property="me2:image">
<meta content="네이버영화 " property="me2:post_tag">
<meta content="네이버영화" property="me2:category1"/>
<meta content="" property="me2:category2"/>
<meta content="랭킹 : 네이버 영화" property="og:title"/>
<meta content="영화, 영화인, 예매, 박스오피스 랭킹 정보 제공" property="og:description"/>
<meta content="article" property="og:type"/>
<meta content="https://movie.naver.com/movie/sdb/rank/rmovie.naver?sel=cur&amp;tg=0&amp;date=20220727" property="og:url"/>
<meta content="http://static.naver.net/m/movie/icons/OG_270_270.png" property="og:image"/><!-- http://static.naver.net/m/movie/im/navermovie.jpg -->
<meta content="http://imgmovie.naver.com/today/naverme/naverme_profile.jpg" property="og:article:thumbnailUrl"/>
<meta content="네이버 영화" property="og:article:author"/>
<meta content="https://movie.naver.com/" property="og:article:author:url"/>
<link href="https://ssl.pstatic.net/static/m/movie/icons/naver_movie_favicon.ico" rel="shortcut icon" type="image/x-icon"/>
<title>랭킹 : 네이버 영화</title>
<link href="/common/css/movie_tablet.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/common.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/layout.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/old_default.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/old_layout.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/old_common.css?20220628175136" rel="stylesheet" type="text/css"/>
<link href="/common/css/old_super_db.css?20220628175136" rel="stylesheet" type="text/css"/>
<script src="/common/js/default-min.js" type="text/javascript"></script>
</meta></meta></head>
<body>
<div class="fix" id="wrap">
<!-- GNB -->
<script type="text/javascript">
function delayed_submit(object) {
        if (navigator.userAgent.indexOf('MSIE') == -1) {
                var b = c = new Date();
        while ((b.getTime() - c.getTime()) < 100) {
                        b = new Date();
        }
                //window.setTimeout(function() {object.submit(); console.log('s');}, 300);
        }
}
var gnb_service = 'movie';
var gnb_logout = 'http://movie.naver.com/movie/sdb/rank/rmovie.naver%3Fsel%3Dcur%26tg%3D0%26date%3D20220727';
var gnb_template = "gnb_utf8"; /* https://ssl.pstatic.net/static.gn/templates/gnb_utf8.nhn */
var gnb_brightness=3;
var gnb_response = true;
</script>
<a name="gnb_top"></a>
<!-- skip navigation -->
<div id="u_skip">
<a href="#header" onclick="document.getElementById('header').tabIndex=-1;document.getElementById('header').focus();return false;"><span>메인 메뉴로 바로가기</span></a>
<a href="#content" id="gnb_goContent" onclick="document.getElementById('content').tabIndex=-1;document.getElementById('content').focus();return false;"><span>본문으로 바로가기</span></a>
</div>
<!-- //skip navigation -->
<!-- GNB -->
<div class="gnb_container">
<div class="gnb_content">
<div class="gnb_box">
<div class="gnb_wrap">
<div id="gnb" onload="javascript:getGNB();">
<script charset="utf-8" src="https://ssl.pstatic.net/static.gn/templates/gnb_utf8.nhn" type="text/javascript"></script>
</div>
</div>
```

```
<!-- 검색창 -->
<form action="/movie/search/result.naver" id="jSearchForm" method="get" style="margin:0;display:none;">
<input maxlength="100" name="query" title="영화검색" type="text"/>
<input name="section" type="hidden" value="all"/>
</form>
<fieldset class="srch_area" id="jSearchArea">
<legend><span class="blind">영화검색 영역</span></legend>
<div class="srch_field_on _view">
<span class="ipt_srch">
<label for="ipt_tx_srch" id="search_placeholder">영화검색</label>
<input accesskey="s" autocomplete="off" class="ipt_tx_srch" id="ipt_tx_srch" maxlength="100" name="query" style="ime-mode:active;" type="text"/>
<span class="align"></span>
<span class="auto_tx"><a href="#" title="자동완성 펼치기"><img alt="자동완성 펼치기" height="4" src="https://ssl.pstatic.net/static/movie/2012/06/srch_arrow_down.gif" title="자동완성 펼치기" width
="7"/></a></span>
</span>
<button class="btn_srch" onclick="clickcr(this, 'GNB.search', '', '', event); delayed_submit(this);" title="검색" type="submit"><span class="blind">검색</span></button>
<!-- 자동 완성 영역임 #autocomplate_template-->
</div>
</fieldset>
<!-- //검색창 -->
</div>
</div>
</div>
<!-- //GNB -->
<!-- nClicks -->
<script type="text/javascript">var nsc = "movie.sdb";</script>
<script src="/common/js/clickcr.js" type="text/javascript"></script>
<!-- // nClicks -->
<!-- //GNB -->
<!-- LNB -->
<!-- header -->
<div id="header">
<h1 class="svc_name">
<a class="ci_logo" href="http://www.naver.com/" id="lnb_gonaver" onclick="clickcr(this, 'LNB.naver', '', '', event);" title="naver로 바로가기"><img alt="NAVER" height="13" src="https://ssl.pstatic.
net/static/movie/2013/07/logo_ci.png" width="62"/></a>
<a class="svc_logo" href="/" onclick="clickcr(this, 'LNB.movie', '', '', event);" title="영화서비스홈으로 바로가기"><img alt="영화" height="19" src="https://ssl.pstatic.net/static/movie/2012/06/log
o_svc.png" width="34"/></a>
</h1>
<div class="scrollbar scrollbar-noscript" id="scrollbar">
<div class="scrollbar-box">
<div class="scrollbar-content">
<div class="in_scroll">
<ul class="navi">
<li>
<a class="menu01" href="/" onclick="clickcr(this, 'LNB.home', '', '', event);" title="영화홈"><strong>영화홈</strong></a>
</li>
<li>
<a class="menu02" href="/movie/running/current.naver" onclick="clickcr(this, 'LNB.movies', '', '', event);" title="상영작·예정작"><strong>상영작·예정작</strong></a>
<ul class="navi_sub" style="display:none">
<li><a class="sub2_1" href="/movie/running/current.naver" onclick="clickcr(this, 'LNB.now', '', '', event);" title="현재 상영영화"><em>현재 상영영화</em></a></li>
<li><a class="sub2_2" href="/movie/running/premovie.naver" onclick="clickcr(this, 'LNB.soon', '', '', event);" title="개봉 예정영화"><em>개봉 예정영화</em></a></li>
<li><a class="sub2_4" href="/movie/running/movieclip.naver" onclick="clickcr(this, 'LNB.tailer', '', '', event);" title="예고편"><em>예고편</em></a></li>
</ul>
</li>
<li>
<a class="menu03_on" href="/movie/sdb/rank/rmovie.naver" onclick="clickcr(this, 'LNB.db', '', '', event);" title="영화랭킹"><strong>영화랭킹</strong></a>
<ul class="navi_sub" style="display:block">
<li><a class="sub3_1_on" href="/movie/sdb/rank/rmovie.naver" onclick="clickcr(this, 'LNB.rank', '', '', event);" title="랭킹"><em>랭킹</em></a></li>
<li><a class="sub3_2" href="/movie/sdb/browsing/bmovie_nation.naver" onclick="clickcr(this, 'LNB.dir', '', '', event);" title="디렉토리"><em>디렉토리</em></a></li>
</ul>
</li>
<li>
<a class="menu07" href="/movie/point/af/list.naver" onclick="clickcr(this, 'LNB.comm', '', '', event);" title="평점"><strong>평점</strong></a>
<ul class="navi_sub" style="display:none">
```

```
<li><a class="sub7_1" href="/movie/point/af/list.naver" onclick="clickcr(this, 'LNB.rating', '', '', event);" title="네티즌 평점"><em>네티즌 평점</em></a></li>
<li><a class="sub7_2" href="/movie/board/review/list.naver" onclick="clickcr(this, 'LNB.review', '', '', event);" title="네티즌 리뷰"><em>네티즌 리뷰</em></a></li>
</ul>
</li>
<li>
<a class="menu08" href="http://serieson.naver.com/movie/home.nhn" onclick="clickcr(this, 'LNB.download', '', '', event);" target="_blank" title="다운로드"><strong>다운로드</strong></a>
</li>
<li class="nav_indi">
<a href="http://tv.naver.com/indiecinema" target="_blank" title="인디극장 UP"><strong>인디극장 UP</strong></a><!-- N=a:LNB.indie -->
</li>
</ul>
</li>
<!-- div class="view_mode">
                                                          <a href="#" title="" class="normal_on"><em>1단 보기</em></a>
                                                          <a href="#" title="" class="wide_off"><em>2단 보기</em></a>
              </div -->
</div>
</div>
</div>
<div class="scrollbar-v">
<div class="scrollbar-button-up"></div>
<div class="scrollbar-track">
<div class="scrollbar-thumb"></div>
</div>
<div class="scrollbar-button-down"></div>
</div>
</div>
</div>
<!-- //header -->
<!-- //LNB -->
<div id="container">
<!-- content -->
<div id="content">
<div class="article">
<div class="old_layout old_super_db">
<h3 class="h_db_rank"><strong class="blind">랭킹</strong></h3>
<ul class="tab_db_rank">
<li><a class="db_tab01_on" href="/movie/sdb/rank/rmovie.naver" title="영화"><em>영화</em></a></li>
<li><a class="db_tab02" href="/movie/sdb/rank/rpeople.naver" title="영화인"><em>영화인</em></a></li>
<!-- li><a href="/movie/sdb/rank/rfestival.naver" title="영화제" class="db_tab03"><em>영화제</em></a></li> -->
<!-- li><a href="/movie/sdb/rank/rcompany.naver" title="영화사" class="db_tab04"><em>영화사</em></a></li> -->
<!-- li><a href="/movie/sdb/rank/rnews.naver" title="기자영화" class="db_tab05"><em>기자</em></a></li> -->
<!-- li><a href="/movie/sdb/rank/rreview.naver" title="네티즌리뷰" class="db_tab06"><em>네티즌리뷰</em></a></li> -->
</ul>
<!-- Content Body -->
<div class="type_1" id="cbody">
<div id="old_content">
<h4 class="tlt"><img alt="영화랭킹" height="15" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tlt_ranking_movie.gif" width="65"/>
</h4>
<!-- 탭메뉴 -->
<div class="tab_type_6">
<ul><!--활성화된 탭의 이미지는 _on.gif 입니다-->
<li><a href="rmovie.naver?sel=cnt&amp;date=20220727"><img alt="조회순" height="28" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tab_movie_1_off.gif" width="112"/></a></li>
<li><a href="rmovie.naver?sel=cur&amp;date=20220727"><img alt="평점순(현재상영영화)" height="28" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tab_movie_2_on.gif" width="126"/></a></li>
<li><a href="rmovie.naver?sel=pnt&amp;date=20220727"><img alt="평점순(모든영화)" height="28" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tab_movie_3_off.gif" width="126"/></a></li>
</ul>
<p class="r_date">2022.07.27 <a href="rmovie.naver?sel=cur&amp;tg=0&amp;date=20220726"><img alt="prev" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/btn_prev.gif" style="margin-right:1px;" width="13"/></a></p>
</div>
<!-- //탭메뉴 -->
<!-- 랭킹 리스트 -->
<table cellspacing="0" class="list_ranking">
<caption class="blind">랭킹 테이블</caption>
<col width="6%"/><col width="*"/><col width="15%"/><col width="3%"/><col width="12%"/><col width="2%"/><col width="5%"/>
<thead>
```

```
<tr>
<th scope="col">순위</th>
<th scope="col">영화명</th>
<th colspan="3" scope="col">평점</th>
<th colspan="2" scope="col">변동폭</th>
</tr>
</thead>
<tbody>
<tr><td class="blank01" colspan="8"></td></tr>
<!-- 예제
                                <tr>
                                        <td class="ac"><img src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g50.gif" alt="50" width="14" height="13"></td>
                                        <td class="title"><a href="#">트랜스포머</a></td>
                                        <td class="ac"><img src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" alt="down" width="7" height="10"></td>
                                        <td class="range ac">7</td>
                                </tr>
                                -->
<tr>
<td class="ac"><img alt="01" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r01.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=81888" title="탑건: 매버릭">탑건: 매버릭</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:97.79999732971191%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">9.78</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=81888">평점주기</a></td>
<!------------------------------------->
<td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
<td class="range ac">0</td>
</tr>
<tr>
<td class="ac"><img alt="02" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r02.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=217719" title="명탐정 코난: 할로윈의 신부">명탐정 코난: 할로윈의 신부</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:95.20000457763672%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">9.52</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=217719">평점주기</a></td>
<!------------------------------------->
<td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
<td class="range ac">0</td>
</tr>
<tr>
<td class="ac"><img alt="03" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r03.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=192608" title="범죄도시2">범죄도시2</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:93.90000343322754%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">9.39</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=192608">평점주기</a></td>
<!------------------------------------->
<td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
<td class="range ac">0</td>
```

```
      </tr>
      <tr>
      <td class="ac"><img alt="04" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r04.gif" width="14"/></td>
      <td class="title">
      <div class="tit5">
      <a href="/movie/bi/mi/basic.naver?code=213733" title="극장판 주술회전 0">극장판 주술회전 0</a>
      </div>
      </td>
      <!-- 평점순일 때 평점 추가하기  -->
      <td><div class="point_type_2"><div class="mask" style="width:92.39999771118164%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
      div></div></td>
      <td class="point">9.24</td>
      <td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=213733">평점주기</a></td>
      <!--------------------------------------->
      <td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
      <td class="range ac">0</td>
      </tr>
      <tr>
      <td class="ac"><img alt="05" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r05.gif" width="14"/></td>
      <td class="title">
      <div class="tit5">
      <a href="/movie/bi/mi/basic.naver?code=154437" title="내 사랑">내 사랑</a>
      </div>
      </td>
      <!-- 평점순일 때 평점 추가하기  -->
      <td><div class="point_type_2"><div class="mask" style="width:92.10000038146973%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
      div></div></td>
      <td class="point">9.21</td>
      <td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=154437">평점주기</a></td>
      <!--------------------------------------->
      <td class="new_icon" colspan="2"><img alt="new" height="5" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_new_1.gif" width="20"/></td>
      </tr>
      <tr>
      <td class="ac"><img alt="06" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r06.gif" width="14"/></td>
      <td class="title">
      <div class="tit5">
      <a href="/movie/bi/mi/basic.naver?code=201073" title="코다">코다</a>
      </div>
      </td>
      <!-- 평점순일 때 평점 추가하기  -->
      <td><div class="point_type_2"><div class="mask" style="width:91.19999885559082%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
      div></div></td>
      <td class="point">9.12</td>
      <td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=201073">평점주기</a></td>
      <!--------------------------------------->
      <td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
      <td class="range ac">1</td>
      </tr>
      <tr>
      <td class="ac"><img alt="07" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r07.gif" width="14"/></td>
      <td class="title">
      <div class="tit5">
      <a href="/movie/bi/mi/basic.naver?code=208772" title="카시오페아">카시오페아</a>
      </div>
      </td>
      <!-- 평점순일 때 평점 추가하기  -->
      <td><div class="point_type_2"><div class="mask" style="width:90.60000419616699%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
      div></div></td>
      <td class="point">9.06</td>
      <td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=208772">평점주기</a></td>
      <!--------------------------------------->
      <td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
      <td class="range ac">0</td>
      </tr>
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<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=213504" title="위대한 침묵">위대한 침묵</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기 -->
<td><div class="point_type_2"><div class="mask" style="width:90.50000190734863%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">9.05</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=213504">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">2</td>
</tr>
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<td class="ac"><img alt="09" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_r09.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=36944" title="올드보이">올드보이</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기 -->
<td><div class="point_type_2"><div class="mask" style="width:90.39999961853027%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">9.04</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=36944">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=10128" title="디어 헌터">디어 헌터</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기 -->
<td><div class="point_type_2"><div class="mask" style="width:89.20000076293945%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.92</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=10128">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
</tr>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=17059" title="중경삼림">중경삼림</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기 -->
<td><div class="point_type_2"><div class="mask" style="width:88.99999618530273%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.90</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=17059">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=217472" title="엘비스">엘비스</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:88.59999656677246%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.86</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=217472">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="na" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/></td>
<td class="range ac">0</td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=183836" title="천로역정: 천국을 찾아서">천로역정: 천국을 찾아서</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:88.59999656677246%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.86</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=183836">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=194196" title="한산: 용의 출현">한산: 용의 출현</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:88.4000015258789%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.84</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=194196">평점주기</a></td>
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<td class="new_icon" colspan="2"><img alt="new" height="5" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_new_1.gif" width="20"/></td>
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<tr>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=16571" title="펄프 픽션">펄프 픽션</a>
</div>
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<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:87.70000457763672%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.77</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=16571">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=115296" title="대니 콜린스">대니 콜린스</a>
</div>
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<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:87.5%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.75</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=115296">평점주기</a></td>
<!------------------------------------------>
<td class="new_icon" colspan="2"><img alt="new" height="5" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_new_1.gif" width="20"/></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=198413" title="헤어질 결심">헤어질 결심</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:86.40000343322754%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.64</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=198413">평점주기</a></td>
<!------------------------------------------>
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">3</td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=216495" title="그레이 맨">그레이 맨</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:84.20000076293945%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.42</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=216495">평점주기</a></td>
<!------------------------------------------>
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">3</td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=205623" title="드라이브 마이 카">드라이브 마이 카</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:83.99999618530273%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.40</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=205623">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<td class="ac"><img alt="20" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g20.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=26545" title="큐어">큐어</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:83.50000381469727%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.35</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=26545">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=172344" title="신은 죽지 않았다 3: 어둠 속의 빛">신은 죽지 않았다 3: 어둠 속의 빛</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:83.19999694824219%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.32</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=172344">평점주기</a></td>
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<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=202675" title="우연과 상상">우연과 상상</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:81.49999618530273%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.15</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=202675">평점주기</a></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=206637" title="애프터 양">애프터 양</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:81.49999618530273%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.15</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=206637">평점주기</a></td>
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<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=217720" title="더 킬러: 죽어도 되는 아이">더 킬러: 죽어도 되는 아이</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:80.50000190734863%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">8.05</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=217720">평점주기</a></td>
<!--------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=191634" title="미니언즈2">미니언즈2</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:78.60000133514404%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">7.86</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=191634">평점주기</a></td>
<!--------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
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</tr>
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<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=71151" title="아이 엠 러브">아이 엠 러브</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:78.60000133514404%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">7.86</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=71151">평점주기</a></td>
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<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=95251" title="홀리 모터스">홀리 모터스</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:74.60000038146973%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">7.46</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=95251">평점주기</a></td>
<!--------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">2</td>
</tr>
```

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<tr>
<td class="ac"><img alt="28" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g28.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=192151" title="외계+인 1부">외계+인 1부</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:73.20000171661377%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">7.32</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=192151">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">2</td>
</tr>
<tr>
<td class="ac"><img alt="29" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g29.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=216100" title="그대가 조국">그대가 조국</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:70.9000015258789%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">7.09</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=216100">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
</tr>
<tr>
<td class="ac"><img alt="30" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g30.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=196367" title="마녀(魔女) Part2. The Other One">마녀(魔女) Part2. The Other One</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:66.5999984741211%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">6.66</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=196367">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
</tr>
<tr><td class="line01" colspan="8"></td></tr>
<tr>
<td class="ac"><img alt="31" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g31.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=187347" title="토르: 러브 앤 썬더">토르: 러브 앤 썬더</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:65.59999942779541%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></div></div></td>
<td class="point">6.56</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=187347">평점주기</a></td>
<!---------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
```

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</tr>
<tr>
<td class="ac"><img alt="32" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g32.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=59845" title="박쥐">박쥐</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:63.29999923706055%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">6.33</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=59845">평점 주기</a></td>
<!--------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">1</td>
</tr>
<tr>
<td class="ac"><img alt="33" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g33.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=209738" title="뒤틀린 집">뒤틀린 집</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:58.00000190734863%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">5.80</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=209738">평점 주기</a></td>
<!--------------------------------------->
<td class="new_icon" colspan="2"><img alt="new" height="5" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_new_1.gif" width="20"/></td>
</tr>
<tr>
<td class="ac"><img alt="34" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/common/bullet_r_g34.gif" width="14"/></td>
<td class="title">
<div class="tit5">
<a href="/movie/bi/mi/basic.naver?code=196854" title="브로커">브로커</a>
</div>
</td>
<!-- 평점순일 때 평점 추가하기  -->
<td><div class="point_type_2"><div class="mask" style="width:55.19999980926514%"><img alt="" height="14" src="https://ssl.pstatic.net/imgmovie/2007/img/common/point_type_2_bg_on.gif" width="79"/></
div></div></td>
<td class="point">5.52</td>
<td class="ac"><a class="txt_link" href="/movie/point/af/list.naver?st=mcode&amp;sword=196854">평점 주기</a></td>
<!--------------------------------------->
<td class="ac"><img alt="down" class="arrow" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/></td>
<td class="range ac">2</td>
</tr>
<tr><td class="blank01" colspan="8"></td></tr>
</tbody>
</table>
<!-- 페이지 네비게이션 시작 -->
<!-- 페이지 네비게이션 끝 -->
<!-- //랭킹 리스트 -->
<span class="txt_mark">※</span> <span class="txt_term">집계기준 : <strong>2022.07.27</strong>일 까지 네이버영화에 수록 된 영화의 관람 후 평점</span>
<!-- 네이버 영화평점랭킹 선정방법 -->
<div class="box_choice_way">
<img alt="네이버 영화평점랭킹 선정방법" height="13" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_01.gif" width="154"/>
<dl class="choice_way">
<dt><img alt="집계기준" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_01_1.gif" width="39"/></dt><dd>전국기준 현재 상영되고 있는 영화 중 <em>평점 응답자가 <s
trong>300명</strong> 이상</em>인 경우</dd>
<dt><img alt="집계기간" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_01_2.gif" width="40"/></dt><dd>전일까지의 누적 평점</dd>
<dt><img alt="표본오차" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_01_3.gif" width="40"/></dt><dd><em>95% 신뢰수준에서 ±5.65</em></dd>
</dl>
```

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<table cellpadding="0" cellspacing="0" class="choice_way_data">
<col width="48"/><col width="73"/><col width="73"/><col width="73"/><col width="73"/><col width="73"/><col width="110"/>
<tr>
<th class="bgwhite" scope="row">구분</th>
<td>N</td>
<td>Range</td>
<td>Minimum</td>
<td>Maximum</td>
<td>Mean</td>
<td>Std.Deviation</td>
</tr>
<tr>
<th class="bgwhite" scope="row">평점</th>
<td class="range ac">26</td>
<td class="range ac">4.39</td>
<td class="range ac">4.75</td>
<td class="range ac">9.14</td>
<td class="range ac">7.59</td>
<td class="range ac">7.59</td>
</tr>
</table>
<dl class="choice_way_qna">
<dt><img alt="왜 평점응답자를 300명 이상으로 정하나요?" height="12" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_02.gif" width="221"/></dt>
<dd>일반적인 여론조사에서의 최소 응답자수가 300명이기 때문입니다.</dd>
<dt><img alt="표본오차 95% 신뢰수준에서 ±5.65가 무슨 뜻인가요?" height="12" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_03.gif" width="271"/></dt>
<dd>동일한 실험을 100번 했을 경우 95번은 ±5.65% 범위 내에서 동일한 결과가 나온다는 말입니다.</dd>
<dt><img alt="Descriptive Statistics는 어떻게 보는건가요?" height="12" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/txt_movie_ranking_04.gif" width="234"/></dt>
<dd>
<ul>
<li>N=Case의 숫자</li>
<li>Range=응답자의 범위</li>
<li>Minimum=최소 응답값</li>
<li>Maximum=최대응답값</li>
<li>Mean=평균</li>
<li>Std.Deviation=표준편차</li>
</ul>
</dd>
</dl>
</div>
<!-- //네이버 영화평점랭킹 선정방법 -->
<!-- 탑버튼 -->
<div class="go_top">
<a href="#gnb_top"><img alt="TOP" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/common/btn_top.gif" width="30"/></a>
</div>
<!-- //탑버튼 -->
<img alt="" class="clear" src="https://ssl.pstatic.net/imgmovie/2007/img/common/blank.gif"/>
<!-- //Content Body -->
<script src="/common/js/jindo2.js" type="text/javascript"></script>
</div>
<div id="assistant">
<!-- 우측 메뉴 -->
<!-- 영화 인기검색어 -->
<div class="box_type_1 mb_8">
<h3><img alt="영화 인기검색어" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tlt_r_best_movie.gif" width="75"/></h3>
<ul class="r_ranking">
<li class="ranking01">
<a class="b" href="/movie/bi/mi/basic.naver?code=192151" onclick="clickcr(this,'pop.list','192151','1',event);" title="외계+인 1부"><span class="blind">1위</span>외계+인 1부</a>
<span class="rank">
<img alt="순위 변동 없음" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
<li class="ranking02">
<a href="/movie/bi/mi/basic.naver?code=194196" onclick="clickcr(this,'pop.list','194196','2',event);" title="한산: 용의 출현"><span class="blind">2위</span>한산: 용의 출현</a>
<span class="rank">
<img alt="순위 상승" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_up_1.gif" width="7"/>1</span>
<li class="ranking03">
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<a href="/movie/bi/mi/basic.naver?code=81888" onclick="clickcr(this,'pop.list','81888','3',event);" title="탑건: 매버릭"><span class="blind">3위</span>탑건: 매버릭</a>
<span class="rank">
<img alt="순위 하락" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/>1</span>
<li class="ranking04">
<a href="/movie/bi/mi/basic.naver?code=198413" onclick="clickcr(this,'pop.list','198413','4',event);" title="헤어질 결심"><span class="blind">4위</span>헤어질 결심</a>
<span class="rank">
<img alt="순위 변동 없음" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
<li class="ranking05">
<a href="/movie/bi/mi/basic.naver?code=192608" onclick="clickcr(this,'pop.list','192608','5',event);" title="범죄도시2"><span class="blind">5위</span>범죄도시2</a>
<span class="rank">
<img alt="순위 변동 없음" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
</li></li></li></li></li></ul>
<!--[D] 더보기 위치 이동 -->
<a class="more" href="/movie/sdb/rank/rmovie.naver" onclick="clickcr(this,'pop.more','','',event);">더보기</a>
<p class="term">2022.07.27</p>
</div>
<!-- 영화인 인기검색어 -->
<div class="box_type_1 mb_8">
<h3><img alt="영화인 인기검색어" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/super_db/tlt_r_best_star.gif" width="85"/></h3>
<ul class="r_ranking">
<li class="ranking01">
<a class="b" href="/movie/bi/pi/basic.naver?st=1&amp;code=42889" onclick="clickcr(this,'peo.list','42889','1',event);" title="최동훈"><span class="blind">1위</span>최동훈</a>
<span class="rank">
<img alt="" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
<li class="ranking02">
<a href="/movie/bi/pi/basic.naver?st=1&amp;code=100529" onclick="clickcr(this,'peo.list','100529','2',event);" title="김한민"><span class="blind">2위</span>김한민</a>
<span class="rank">
<img alt="" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
<li class="ranking03">
<a href="/movie/bi/pi/basic.naver?st=1&amp;code=171281" onclick="clickcr(this,'peo.list','171281','3',event);" title="아나 데 아르마스"><span class="blind">3위</span>아나 데 아르마스</a>
<span class="rank">
<img alt="" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_na_1.gif" width="7"/>0</span>
<li class="ranking04">
<a href="/movie/bi/pi/basic.naver?st=1&amp;code=51218" onclick="clickcr(this,'peo.list','51218','4',event);" title="한재림"><span class="blind">4위</span>한재림</a>
<span class="rank">
<img alt="" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_up_1.gif" width="7"/>1</span>
<li class="ranking05">
<a href="/movie/bi/pi/basic.naver?st=1&amp;code=52734" onclick="clickcr(this,'peo.list','52734','5',event);" title="박은빈"><span class="blind">5위</span>박은빈</a>
<span class="rank">
<img alt="" height="10" src="https://ssl.pstatic.net/imgmovie/2007/img/common/icon_down_1.gif" width="7"/>1</span>
</li></li></li></li></li></ul>
<a class="more" href="/movie/sdb/rank/rpeople.naver" onclick="clickcr(this,'peo.more','','',event);">더보기</a>
<p class="term">2022.07.27</p>
</div>
<!--박스오피스-->
<div class="box_type_1 mb_8">
<h3><img alt="박스오피스" height="11" src="https://ssl.pstatic.net/imgmovie/2007/img/running/tlt_r_boxoffice.gif" width="51"/></h3>
<ul class="r_ranking box">
<li class="ranking01"><a class="b" href="/movie/bi/mi/basic.naver?code=192151" onclick="clickcr(this,'box.list','192151','1',event);" title="외계+인 1부"><span class="blind">1위</span>외계+인 1부</a> <span "="" class="ratio check"><em>630095</em> 명</span></li>
<li class="ranking02"><a href="/movie/bi/mi/basic.naver?code=191634" onclick="clickcr(this,'box.list','191634','2',event);" title="미니언즈2"><span class="blind">2위</span>미니언즈2</a> <span class="ratio"><em>599219</em> 명</span></li>
<li class="ranking03"><a href="/movie/bi/mi/basic.naver?code=81888" onclick="clickcr(this,'box.list','81888','3',event);" title="탑건: 매버릭"><span class="blind">3위</span>탑건: 매버릭</a> <span class="ratio"><em>447652</em> 명</span></li>
<li class="ranking04"><a href="/movie/bi/mi/basic.naver?code=198413" onclick="clickcr(this,'box.list','198413','4',event);" title="헤어질 결심"><span class="blind">4위</span>헤어질 결심</a> <span class="ratio"><em>134932</em> 명</span></li>
<li class="ranking05"><a href="/movie/bi/mi/basic.naver?code=187347" onclick="clickcr(this,'box.list','187347','5',event);" title="토르: 러브 앤 썬더"><span class="blind">5위</span>토르: 러브 앤 썬더</a> <span class="ratio"><em>71726</em> 명</span></li>
</ul>
<a class="more" href="/movie/sdb/rank/rboxoffice.naver" onclick="clickcr(this,'box.more','','',event);">더보기</a>
<div class="term_1"><span class="cnt">주말관객 기준</span><div class="date">20220722-20220724</div></div>
</div>
<!--//박스오피스-->
</div>
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```html
<img alt="" class="clear" src="https://ssl.pstatic.net/imgmovie/2007/img/common/blank.gif"/>
</div>
<!-- //Content Body -->
</div>
</div>
</div>
<!-- //content -->
</div>
<!-- //container -->
<!-- Footer -->
<script src="/common/js/jindo/component/1.0.2/jindo.Component.js" type="text/javascript"></script>
<script src="/common/js/jindo/component/1.0.2/jindo.UIComponent.js" type="text/javascript"></script>
<!-- footer -->
<div id="footer">
<div class="in_footer">
<div class="foot_con">
<ul>
<li class="first"><a href="http://www.naver.com/rules/service.html" onclick="clickcr(this, 'fot.agreement', '', '', event);" target="_blank">이용약관</a></li>
<li><a href="http://www.naver.com/rules/privacy.html" onclick="clickcr(this, 'fot.privacy', '', '', event);" target="_blank"><strong>개인정보처리방침</strong></a></li>
<li><a href="http://www.naver.com/rules/disclaimer.html" onclick="clickcr(this, 'fot.disclaimer', '', '', event);" target="_blank">책임의 한계와 법적고지</a></li>
<li><a href="https://help.naver.com/support/service/main.nhn?serviceNo=800" onclick="clickcr(this, 'fot.help', '', '', event);" target="_blank">영화 고객센터</a></li>
</ul>
<p class="info">본 콘텐츠의 저작권은 저작권자 또는 제공처에 있으며, 이를 무단 이용하는 경우 저작권법 등에 따라 법적 책임을 질 수 있습니다.</p>
<p class="info">
                    사업자등록번호 : 220-81-62517<span>통신판매업 신고번호</span> : 경기성남 제 2006 - 692호<span>대표이사 : 최수연</span><span><a href="http://www.ftc.go.kr/info/bizinf
o/communicationList.jsp" onclick="clickcr(this, 'fot.bizinfo', '', '', event);">사업자등록정보 확인</a></span><br/>
                    주소 : 경기도 성남시 분당구 정자일로 95, NAVER 1784, 13561 <span>대표전화 : 1588-3820</span>
</p>
<address>
<a class="logo" href="https://www.navercorp.com" onclick="clickcr(this, 'fot.nhn', '', '', event);" target="_blank"><img alt="NAVER" height="11" src="https://ssl.pstatic.net/static/movie/2013/07/lo
go_naver.png" width="63"/></a>
<em>Copyright ©</em>
<a href="https://www.navercorp.com" onclick="clickcr(this, 'fot.corp', '', '', event);" target="_blank">NAVER Corp.</a>
<span>All Rights Reserved.</span>
</address>
</div>
</div>
</div>
<!-- //footer -->
<script type="text/javascript">

if (false) {
        var alertType = "NONE";
        var koreanTitle = "";
        var movieCode = "0";
        var userReserveCount = "0";
        var todayDatetime = "20220728100924";
        var endDatetimeAfterTwoDays = "00000000000000";



        if (movieCode > 0) {
                openWriteActualPointAlert (alertType, koreanTitle, movieCode, userReserveCount, todayDatetime, endDatetimeAfterTwoDays);
        }
}

function openWriteActualPointAlert (alertType, koreanTitle, movieCode, count, today, endDate) {
        if (alertType == "ONE" || alertType == "MORE") {
                setCookieLastUserReserveDate(today, endDate);
                if (confirm("관람하신 " + koreanTitle + "에₩n평점 등록 시 네이버페이 마일리지 500원 적립!₩n지금 평점쓰기 메뉴로 이동하시겠습니까?")) {
                        top.location.href = "http://movie.naver.com/movie/bi/mi/point.naver?code=" + movieCode;
                }
        }

}
```

```javascript
function setCookieLastUserReserveDate(today, endDate) {
        var cookieForNotOpenActualPointPopup = jindo.$Cookie();


        cookieForNotOpenActualPointPopup.remove("lastUserReserveDatetime");
        cookieForNotOpenActualPointPopup.remove("lastUserReserveCheckDatetime");

        cookieForNotOpenActualPointPopup.set("lastUserReserveDatetime", endDate, 9999, "movie.naver.com");
        cookieForNotOpenActualPointPopup.set("lastUserReserveCheckDatetime", today, 9999, "movie.naver.com");
}

</script>
<script type="text/javascript">



                var alertMessage = "지원되지 않는 브라우저로 서비스 이용에 제한이 있습니다.";



        function getBrowser() {
                var ua = navigator.userAgent;
                if (/NAVER/.test(ua)) {
                        return "NAVER_APP";
                } else if (/IEMobile/.test(ua)) {
                        return "INTERNET_EXPLORER_MOBILE";
                } else if (/MSIE/.test(ua) || /Trident/.test(ua)) {
                        return "INTERNET_EXPLORER";
                } else if (/Firefox/.test(ua)) {
                        return "FIREFOX";
                } else if (/Opera₩//.test(ua) || /OPR₩//.test(ua)) {
                        return "OPERA";
                }  else if (/Swing₩//.test(ua)) {
                        return "SWING";
                } else if (/Chrome₩//.test(ua) || /CriOS₩//.test(ua)) {
                        return "CHROME";
                } else if (/BAND₩//.test(ua)) {
                        return "BAND_APP";
                } else if (/FBAN₩/FBIOS/.test(ua)) {
                        return "FACEBOOK_APP";
                } else if (/Twitter/.test(ua)) {
                        return "TWITTER_APP";
                } else if (/KAKAOTALK/.test(ua)) {
                        return "KAKAOTALK_APP";
                } else if (/Android/.test(ua) && /Safari/.test(ua)) {
                        return "ANDROID_INTERNET_APP";
                } else if (/Safari/.test(ua)) {
                        return "SAFARI";
                }

                return "";
        }

        if (getBrowser() === "UNKNOWN" && jindo.$Cookie().get("notSupportBrowserAlert") != 'true') {
                alert(alertMessage);
                jindo.$Cookie().set("notSupportBrowserAlert", "true", "9999", "movie.naver.com");
        }
</script>
<script src="/common/js/lcslog.js" type="text/javascript"></script>
<script src="/common/js/jindo/component/1.0.2/jindo.Component.min.js" type="text/javascript"></script>
<script charset="UTF-8" src="/common/js/vendor/jindo.WatchInput.js" type="text/javascript"></script>
```

```
<script charset="UTF-8" src="/common/js/lib/Core.js?20220628175136" type="text/javascript"></script>
<script charset="UTF-8" src="/common/js/lib/LNB.js?20220628175136" type="text/javascript"></script>
<script charset="UTF-8" src="/common/js/lib/Search.js?20220628175136" type="text/javascript"></script>
<script type="text/javascript">

        // nhn.movie.Search가 jindo 기반이어서 javascript로 전환함
        if (document.addEventListener) {
            document.addEventListener("DOMContentLoaded", function () {
                document.removeEventListener("DOMContentLoaded", arguments.callee, false);
                loadFooter();
            }, false);
        }
// Internet Explorer
        else if (document.attachEvent) {
            // onreadystatechange 는 모든 브라우저가 반환
            document.attachEvent("onreadystatechange", function () {
                if (document.readyState == "complete" || document.readyState == 'loaded') {
                    document.detachEvent("onreadystatechange", arguments.callee);
                    loadFooter();
                }
            });
        }

        function loadFooter() {
            var goNaver = document.getElementById("lnb_gonaver");
            goNaver.addEventListener("focus", focusonNaverIcon, false);

            // LNB - 사용처를 못 찾음
//          var oLNB = new nhn.movie.LNB();

            // 상단 검색영역
            var oSearch = new nhn.movie.Search({
                area : "jSearchArea",
                autosearch : "https://auto-movie.naver.com/ac?q_enc=UTF-8&st=1&r_lt=1&n_ext=1&t_koreng=1&r_format=json&r_enc=utf-8&r_unicode=0&r_escape=1&q=",
                movelink : "/movie/bi/mi/basic.naver?code=",
                peoplelink : "/movie/bi/pi/basic.naver?code="
            });

            getGNB();
        }

        function focusonNaverIcon(event) {
            event.preventDefault(); // jindo.$Event.CANCEL_DEFAULT 와 동일한 기능으로 추측됨
            document.getElementById('ipt_tx_srch').value= "";
            document.getElementById('search_placeholder').style = "display:inline;";
            if (document.getElementById('jAutoComplate') != undefined && document.getElementById('jAutoComplate') !== null) {
                document.getElementById('jAutoComplate').style = "display:none;";
            }
        }


        window.addEventListener('pageshow', function(event) { lcs_do(); });

        document.addEventListener('click', function (event) {
            var welSource = event.srcElement;        // jindo.$Element(oEvent.element);
            if (!document.getElementById("gnb").contains(welSource)) {
                gnbAllLayerClose();
            }
        });
</script>
<!-- //Footer -->
</div>
</body>
</html>
```

In [27]:
```python
# 특정일의 영화 랭킹(평점순) 페이지에서 1위부터 최대랭킹 순위까지의 영화 title 추출
soup.findAll('div',{'class','tit5'})
len(soup.findAll('div',{'class','tit5'}))
soup.findAll('div',{'class','tit5'})[0].text.replace("\n","")
# tag 객체의 내부 태그 접근시 . 연산자 사용 가능
soup.findAll('div',{'class','tit5'})[0].a['href']
soup.findAll('div',{'class','tit5'})[0].a.text
```

Out[27]: '탑건: 매버릭'

In [28]:
```python
# 내포 for문을 활용한 영화 타이틀 추출
movie_name = [s.a.text for s in soup.findAll('div',{'class','tit5'})]
movie_name
```

Out[28]:
```
['탑건: 매버릭',
 '명탐정 코난: 할로윈의 신부',
 '범죄도시2',
 '극장판 주술회전 0',
 '내 사랑',
 '코다',
 '카시오페아',
 '위대한 침묵',
 '올드보이',
 '디어 헌터',
 '중경삼림',
 '엘비스',
 '천로역정: 천국을 찾아서',
 '한산: 용의 출현',
 '펄프 픽션',
 '대니 콜린스',
 '헤어질 결심',
 '그레이 맨',
 '드라이브 마이 카',
 '큐어',
 '신은 죽지 않았다 3: 어둠 속의 빛',
 '우연과 상상',
 '애프터 양',
 '더 킬러: 죽어도 되는 아이',
 '미니언즈2',
 '아이 엠 러브',
 '홀리 모터스',
 '외계+인 1부',
 '그대가 조국',
 '마녀(魔女) Part2. The Other One',
 '토르: 러브 앤 썬더',
 '박쥐',
 '뒤틀린 집',
 '브로커']
```

In [31]:
```python
# 특정일의 영화 평점추출
```

```python
soup.findAll('td',{'class':'point'})
len(soup.findAll('td',{'class':'point'}))
soup.findAll('td',{'class':'point'})[0].text
```

Out[31]: '9.78'

In [32]:
```python
movie_point = [s.text for s in soup.findAll('td',{'class':'point'})]
movie_point
```

Out[32]: ['9.78',
          '9.52',
          '9.39',
          '9.24',
          '9.21',
          '9.12',
          '9.06',
          '9.05',
          '9.04',
          '8.92',
          '8.90',
          '8.86',
          '8.86',
          '8.84',
          '8.77',
          '8.75',
          '8.64',
          '8.42',
          '8.40',
          '8.35',
          '8.32',
          '8.15',
          '8.15',
          '8.05',
          '7.86',
          '7.86',
          '7.46',
          '7.32',
          '7.09',
          '6.66',
          '6.56',
          '6.33',
          '5.80',
          '5.52']

In [33]:
```python
# 위 코드 결합
# url 생성
url_base = 'https://movie.naver.com/'
url_sub = '/movie/sdb/rank/rmovie.nhn?sel=cur&date=20210324'   ## 네이버 영화랭킹 평점순
url = urljoin(url_base,url_sub)
# 페이지 요청
```

```python
html = urlopen(url)
# 파서 생성
soup = BeautifulSoup(html,"html.parser")

movie_name = [s.a.text for s in soup.find_all('div','tit5') ]
movie_point = [s.text for s in soup.find_all('td',{'class':'point'})]
```

영화정보를 수집할 기간 설정

- 기간 데이터 생성
- 위코드 함수로 구성

- 날짜 데이터 생성
- pd.date_range('시작일',periods=생성날짜수, freq='D)

In [39]:
```python
date = pd.date_range('20220101',periods=100,freq='D')
date
date[17]
```

Out[39]: `Timestamp('2022-01-18 00:00:00', freq='D')`

In [37]:
```python
# 날짜가 변경이 가능하도록 url 구성 변경
url_base = 'https://movie.naver.com/'
url_sub = '/movie/sdb/rank/rmovie.nhn?sel=cur&date={date}'
# 문자열에 {변수명}을 사용하면 {}내부의 문자는 변수로 사용이 됨
url = urljoin(url_base,url_sub)
url
```

Out[37]: `'https://movie.naver.com/movie/sdb/rank/rmovie.nhn?sel=cur&date={date}'`

In [42]:
```python
# 날짜 형식 변경
# 생성 날짜 형식이 시간 포함이므로 연월일만 표시되게 변경
today = date[17]
today.strftime('%Y%m%d')
# %Y : 4자리연도
```

```
# %m : 2자리 월
# %d : 2자리 일
```

Out[42]:   '20220118'

In [44]:
```
# url 날짜 변경 코드
url.format(date=quote(today.strftime('%Y%m%d')))
```

Out[44]:   'https://movie.naver.com/movie/sdb/rank/rmovie.nhn?sel=cur&date=20220118'

In [45]:
```
quote('강남역')
```

Out[45]:   '%EA%B0%95%EB%82%A8%EC%97%AD'

In [46]:
```
for d in date[0:3] :
    today=d
    print(url.format(date=quote(today.strftime('%Y%m%d'))))
```

```
https://movie.naver.com/movie/sdb/rank/rmovie.nhn?sel=cur&date=20220101
https://movie.naver.com/movie/sdb/rank/rmovie.nhn?sel=cur&date=20220102
https://movie.naver.com/movie/sdb/rank/rmovie.nhn?sel=cur&date=20220103
```

함수로 구성

- get_movie(date)
    - date 인수를 사용해 url을 설정
    - date별로 영화정보(title,point)

In [49]:
```
def get_movie(date) :
    url_base = 'https://movie.naver.com/'
    url_sub = '/movie/sdb/rank/rmovie.nhn?sel=cur&date={date}'
    url = urljoin(url_base,url_sub)

    today = date
    result = urlopen(url.format(date=quote(today.strftime('%Y%m%d'))))

    soup = BeautifulSoup(result)
```

```python
    # 랭킹 날짜 생성
    movie_date = today
    # 영화 제목 추출
    movie_name = [s.a.text for s in soup.find_all('div','tit5') ]
    # 평점 추출
    movie_point = [s.text for s in soup.find_all('td',{'class':'point'})]

    # 데이터프레임으로 반환
    return pd.DataFrame({'날짜':movie_date, "영화제목":movie_name,
                        '영화평점':movie_point})
```

In [50]:
```python
get_movie(date[17])
```

Out[50]:

	날짜	영화제목	영화평점
0	2022-01-18	씽2게더	9.44
1	2022-01-18	코다	9.23
2	2022-01-18	러브레터	9.12
3	2022-01-18	스파이더맨: 노 웨이 홈	8.92
4	2022-01-18	기쿠지로의 여름	8.92
5	2022-01-18	아멜리에	8.81
6	2022-01-18	고양이를 부탁해	8.81
7	2022-01-18	돈 룩 업	8.69
8	2022-01-18	드라이브 마이 카	8.59
9	2022-01-18	특송	8.35
10	2022-01-18	엔칸토: 마법의 세계	8.29
11	2022-01-18	킹스맨: 퍼스트 에이전트	8.10
12	2022-01-18	하우스 오브 구찌	8.01
13	2022-01-18	프렌치 디스패치	8.00
14	2022-01-18	경관의 피	7.68
15	2022-01-18	해피 뉴 이어	7.05
16	2022-01-18	웨스트 사이드 스토리	6.83
17	2022-01-18	매트릭스: 리저렉션	5.51

In [51]:
```python
# 설정 기간 영화 정보 추출
movie_df = pd.DataFrame() # 빈 데이프레임 생성
```

```python
# tqdm 사용해서 진행상태 확인
for today in tqdm_notebook(date) :
    movie_df = pd.concat([movie_df,get_movie(today)],axis=0,ignore_index=True)
```

```
C:\Users\student\AppData\Local\Temp\ipykernel_17856\2355970750.py:5: TqdmDeprecationWarning: This function will be removed in tqdm==5.0.0
Please use `tqdm.notebook.tqdm` instead of `tqdm.tqdm_notebook`
  for today in tqdm_notebook(date) :
  0%|          | 0/100 [00:00<?, ?it/s]
```

In [52]:
```python
movie_df.shape
```

Out[52]:
```
(2514, 3)
```

In [54]:
```python
movie_df.head()
movie_df.tail()
```

Out[54]:

	날짜	영화제목	영화평점
2509	2022-04-10	모비우스	7.24
2510	2022-04-10	앰뷸런스	7.19
2511	2022-04-10	스텔라	6.76
2512	2022-04-10	문폴	5.22
2513	2022-04-10	배니싱: 미제사건	4.33

In [55]:
```python
movie_df.to_csv('./crawl_data/naver_movie_ranking.csv')
```

시각화 작업

- 영화별평점의 합을 계산(평점의 합이 높은 영화를 추출)
- 추출된 영화에 대해서 평점의 추이를 확인할 수 있는 그래프 작성

In [56]:
```python
# 데이터 특성 확인
movie_df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2514 entries, 0 to 2513
Data columns (total 3 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   날짜      2514 non-null   datetime64[ns]
 1   영화제목    2514 non-null   object
 2   영화평점    2514 non-null   object
dtypes: datetime64[ns](1), object(2)
memory usage: 59.0+ KB
```

In [57]:

```python
# 평점의 합을 계산하려면 영화평점은 수치형이어야 함
# 영화평점 항목의 datatype 변환 : astype(float)
movie_df['영화평점']=movie_df['영화평점'].astype(float)
movie_df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2514 entries, 0 to 2513
Data columns (total 3 columns):
 #   Column    Non-Null Count  Dtype
---  ------    --------------  -----
 0   날짜        2514 non-null   datetime64[ns]
 1   영화제목     2514 non-null   object
 2   영화평점     2514 non-null   float64
dtypes: datetime64[ns](1), float64(1), object(1)
memory usage: 59.0+ KB
```

In [59]:
```python
# 영화별 point의 합 : pivot_table(data_set,index=[기준열],aggfunc=np.sum)
movie_unique = pd.pivot_table(movie_df, index=['영화제목'],aggfunc=np.sum)
movie_unique.head()
movie_unique.tail()
```

Out[59]:

영화제목	영화평점
해적: 도깨비 깃발	423.83
해피 뉴 이어	190.93
해피 투게더	220.48
화양연화	457.44
환상의 빛	104.00

In [60]:
```python
# 평점의 합이 높은 순으로 정렬
movie_top = movie_unique.sort_values(by='영화평점',ascending=False)
movie_top.head(50)
```

Out[60]:

	영화평점
영화제목	
씽2게더	894.97
스파이더맨: 노 웨이 홈	887.49
드라이브 마이 카	812.60
코다	690.29
킹메이커	556.85
어나더 라운드	504.65
돈 룩 업	502.65
듄	485.56
하우스 오브 구찌	484.23
극장판 주술회전 0	475.50
킹스맨: 퍼스트 에이전트	475.36
화양연화	457.44
해적: 도깨비 깃발	423.83
프렌치 디스패치	423.51
언차티드	406.26
파워 오브 도그	392.75
웨스트 사이드 스토리	390.90
러브레터	383.04
경관의 피	369.82
나이트메어 앨리	352.89
특송	332.57
더 배트맨	294.86
광대: 소리꾼	294.66
아멜리에	281.92
나일 강의 죽음	281.30
이상한 나라의 수학자	276.71
나의 촛불	273.36
엔칸토: 마법의 세계	265.01
고양이를 부탁해	264.30
그녀에게	236.88
타오르는 여인의 초상	235.34
귀향	225.68
캐롤	223.86
패왕별희 디 오리지널	223.44
해피 투게더	220.48
안테벨룸	220.43
나쁜 교육	219.96
마미	217.00

	영화평점
영화제목	
아비정전	202.93
틱, 틱... 붐!	202.76
인민을 위해 복무하라	200.51
해피 뉴 이어	190.93
전투왕	188.63
스펜서	169.05
만년이 지나도 변하지 않는 게 있어	148.02
장민호 드라마 최종회	147.19
키즈 리턴	143.10
해리 포터와 불사조 기사단	140.67
매트릭스: 리저렉션	137.90
문폴	137.49

In [62]:
```python
# 씽2게더만 추출해서 평점 변화 확인
# 해당 영화만 필터링 해서 확인
# df.query(조건)
tmp = movie_df.query('영화제목==["씽2게더"]')
tmp
```

Out[62]:

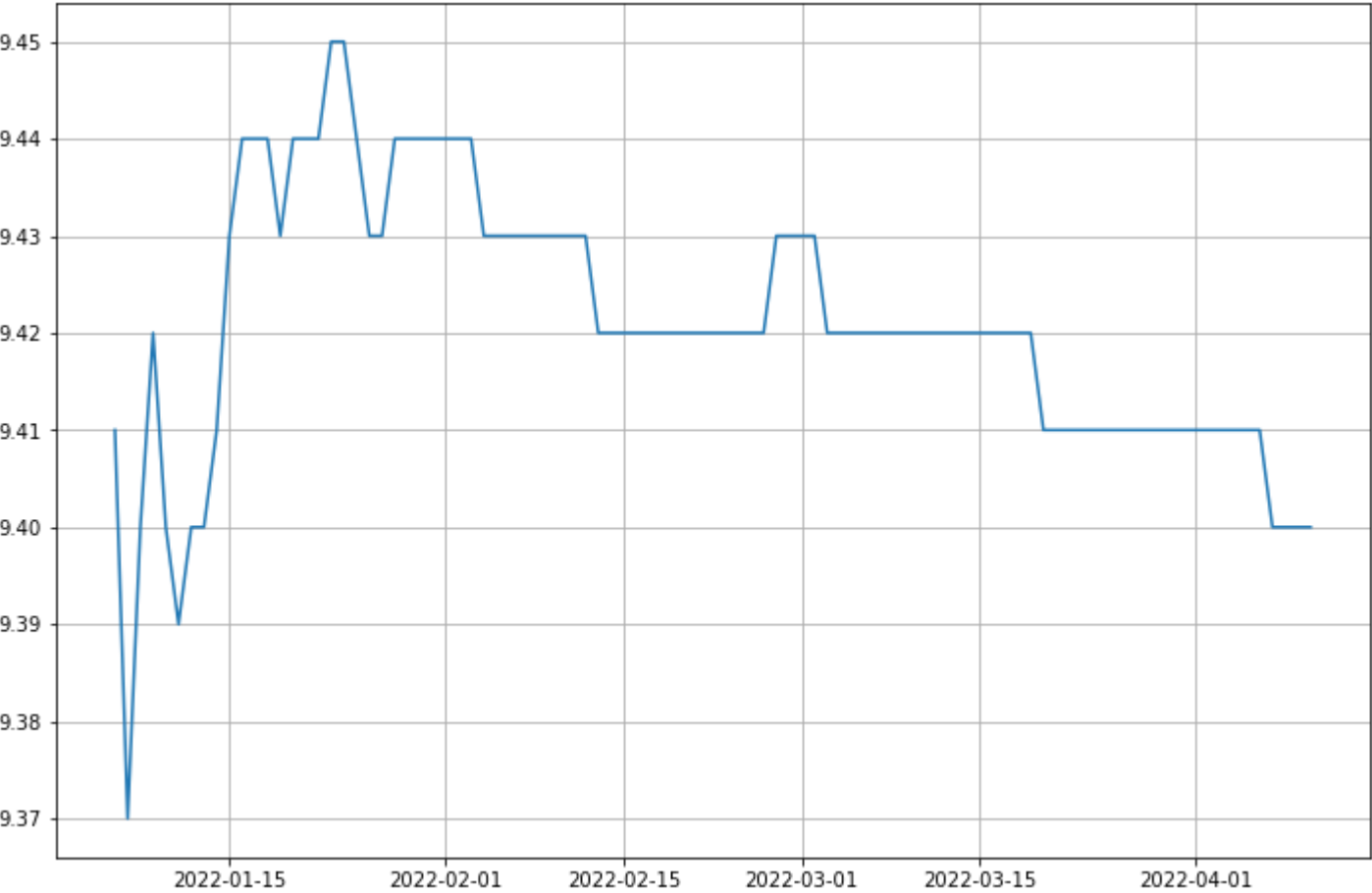|	날짜	영화제목	영화평점
91	2022-01-06	씽2게더	9.41
110	2022-01-07	씽2게더	9.37
130	2022-01-08	씽2게더	9.40
150	2022-01-09	씽2게더	9.42
168	2022-01-10	씽2게더	9.40
...	...	...	...
2371	2022-04-06	씽2게더	9.41
2399	2022-04-07	씽2게더	9.40
2428	2022-04-08	씽2게더	9.40
2456	2022-04-09	씽2게더	9.40
2485	2022-04-10	씽2게더	9.40

95 rows × 3 columns

In [63]:
```python
# 평점 변화 그래프
# 시계열 데이터이므로 line 그래프
```

```python
import matplotlib.pyplot as plt
%matplotlib inline

plt.figure(figsize=(12,8))
plt.plot(tmp['날짜'],tmp['영화평점'])
plt.grid()
plt.show()
```


In [64]:
```python
movie_df.head()
```

Out[64]:

	날짜	영화제목	영화평점
0	2022-01-01	코다	9.24
1	2022-01-01	스파이더맨: 노 웨이 홈	8.97
2	2022-01-01	러브 액츄얼리	8.93
3	2022-01-01	아멜리에	8.81
4	2022-01-01	고양이를 부탁해	8.81

In [65]:
```python
# 데이터 재배치 - 피봇테이블 사용(long-wide)
```

```python
# 날짜별 영화의 point를 확인
# index=날짜, column = 영화제목, values = 영화평점
movie_pivot = pd.pivot_table(movie_df,
                             index=['날짜'],
                             columns=['영화제목'],
                             values=['영화평점'])
```

In [67]:
```python
movie_pivot.shape
```

Out[67]: (100, 95)

In [68]:
```python
movie_pivot.head()
```

Out[68]:

																			영화평점					
영화제목	355	가나의 혼인잔치: 언약	경관의 피	고양이를 부탁해	공각기동대	광대: 소리꾼	귀향	그녀에게	극장판 주술회전 0	기쿠지로의 여름	...	프렌치 디스패치	하나-비	하우스 오브 구찌	한공주	해리 포터와 불사조기사단	해적: 도깨비 깃발	해피 뉴이어	해피 투게더	화양연화	환상의 빛
날짜																					
2022-01-01	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.02	NaN	NaN	NaN	NaN	NaN	7.21	NaN	NaN	NaN
2022-01-02	NaN	NaN	NaN	NaN	8.73	NaN	NaN	NaN	NaN	NaN	...	8.02	NaN	NaN	NaN	NaN	NaN	7.14	NaN	NaN	NaN
2022-01-03	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.11	NaN	NaN	NaN
2022-01-04	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.08	NaN	NaN	NaN
2022-01-05	NaN	NaN	8.18	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.10	NaN	NaN	NaN

5 rows × 95 columns

In [70]:
```python
# 피봇테이블 구성중에 멀티 인덱스로 구성 되었음
# 최상위 인덱스(영화 평점)
# 멀티인덱스 제거
# df.columns.droplevel()
movie_pivot.columns=movie_pivot.columns.droplevel()
```

In [71]:
```python
movie_pivot.head()
```

Out[71]:

영화제목 날짜	355	가나의 혼인잔치: 언약	경관의 피	고양이를 부탁해	공각기동대	광대: 소리꾼	귀향	그녀에게	극장판 주술회전 0	기쿠지로의 여름	...	프렌치 디스패치	하나-비	하우스 오브 구찌	한공주	해리 포터와 불사조 기사단	해적: 도깨비 깃발	해피 뉴 이어	해피 투 게더	화양연화	환상의 빛
2022-01-01	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.02	NaN	NaN	NaN	NaN	NaN	7.21	NaN	NaN	NaN
2022-01-02	NaN	NaN	NaN	NaN	8.73	NaN	NaN	NaN	NaN	NaN	...	8.02	NaN	NaN	NaN	NaN	NaN	7.14	NaN	NaN	NaN
2022-01-03	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.11	NaN	NaN	NaN
2022-01-04	NaN	NaN	NaN	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.08	NaN	NaN	NaN
2022-01-05	NaN	NaN	8.18	8.81	8.73	NaN	NaN	NaN	NaN	NaN	...	8.01	NaN	NaN	NaN	NaN	NaN	7.10	NaN	NaN	NaN

5 rows × 95 columns

In [73]:
```python
# 평점의 합이 높은 영화 5개의 평점 변화 확인
movie_top.head(5)
```

Out[73]:

영화제목	영화평점
씽2게더	894.97
스파이더맨: 노 웨이 홈	887.49
드라이브 마이 카	812.60
코다	690.29
킹메이커	556.85

In [74]:
```python
sel_col = movie_top.head(5).index
sel_col
```

Out[74]:

Index(['씽2게더', '스파이더맨: 노 웨이 홈', '드라이브 마이 카', '코다', '킹메이커'], dtype='object', name='영화제목')

In [75]:
```python
## 그래프 한글 처리하는 코드
import platform

from matplotlib import font_manager, rc
plt.rcParams['axes.unicode_minus'] = False

if platform.system() == 'Darwin':  # 맥OS
```

```python
    rc('font', family='AppleGothic')
elif platform.system() == 'Windows':
    # 윈도우
    path = "c:/Windows/Fonts/malgun.ttf"
    font_name = font_manager.FontProperties(fname=path).get_name()
    rc('font', family=font_name)
else:
    print('Unknown system...  sorry~~~')
```

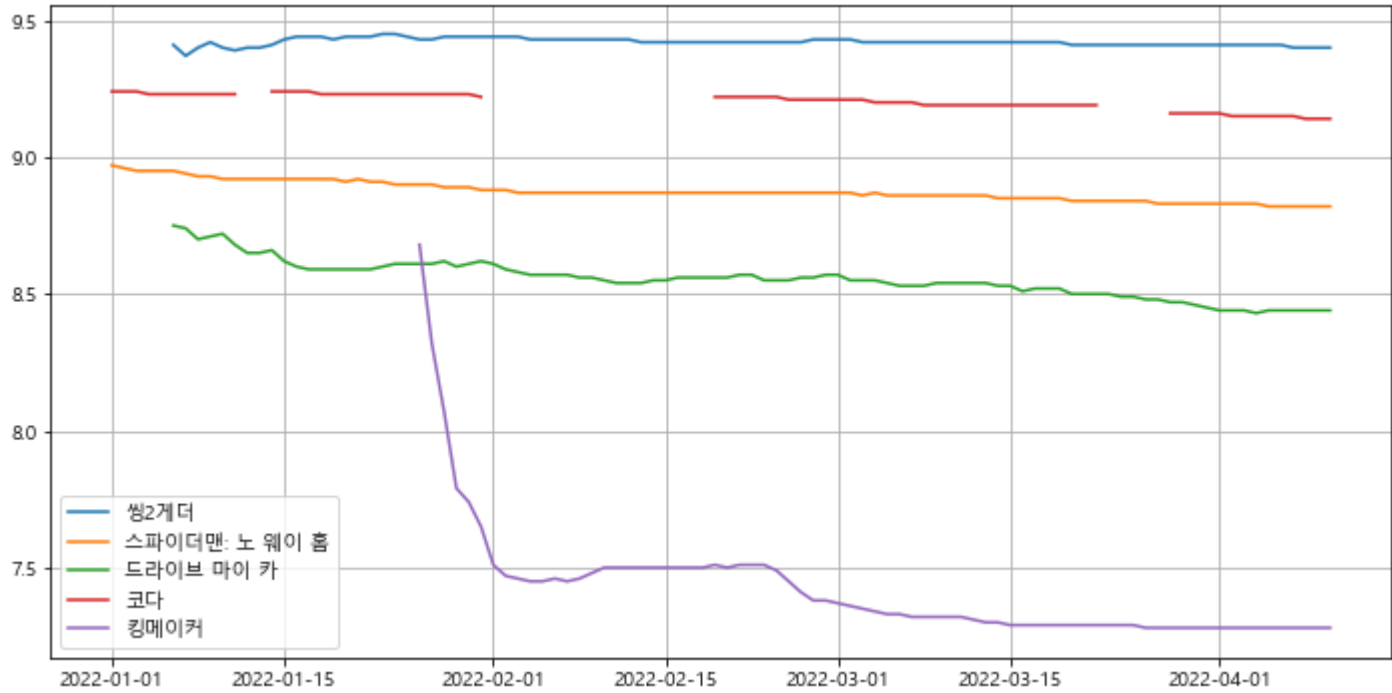In [76]:
```python
movie_pivot[sel_col]
```

Out[76]:

영화제목	씽2게더	스파이더맨: 노 웨이 홈	드라이브 마이 카	코다	킹메이커
날짜					
2022-01-01	NaN	8.97	NaN	9.24	NaN
2022-01-02	NaN	8.96	NaN	9.24	NaN
2022-01-03	NaN	8.95	NaN	9.24	NaN
2022-01-04	NaN	8.95	NaN	9.23	NaN
2022-01-05	NaN	8.95	NaN	9.23	NaN
...	...	...	...	...	...
2022-04-06	9.41	8.82	8.44	9.15	7.28
2022-04-07	9.40	8.82	8.44	9.15	7.28
2022-04-08	9.40	8.82	8.44	9.14	7.28
2022-04-09	9.40	8.82	8.44	9.14	7.28
2022-04-10	9.40	8.82	8.44	9.14	7.28

100 rows × 5 columns

In [77]:
```python
plt.figure(figsize=(12,6))
plt.plot(movie_pivot[sel_col])
plt.legend(sel_col,loc='best')
plt.grid()
plt.show()
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: