<!DOCTYPE html>

data-science-in-korean/template-proto.Rmd at master · jaimyoung/data-science-in-korean

<meta name="twitter:image:src" content="https://avatars1.githubusercontent.com/u/2073023?s=400&amp;v=4" /><meta name="twitter:site" content="@github" /><meta name="twitter:card" content="summary" /><meta name="twitter:title" content="jaimyoung/data-science-in-korean" /><meta name="twitter:description" content="한국어를 포함한 데이터와 분석코드를 다루는 팁. Contribute to jaimyoung/data-science-in-korean development by creating an account on GitHub." />  
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<meta name="google-analytics" content="UA-3769691-2">

<meta name="hostname" content="github.com">  
<meta name="user-login" content="deokyoung">  
  
 <meta name="expected-hostname" content="github.com">  
<meta name="js-proxy-site-detection-payload" content="MjExNjU2NmZiMDQzZjVmZjQ4YjgzMDA2ZDA3MmFhYzlkNzhjMTg2ZWIyNjQ4NjJiM2VhMzY5OTg0YWRmOWM3NXx7InJlbW90ZV9hZGRyZXNzIjoiMjEwLjExNS4yNTIuNzIiLCJyZXF1ZXN0X2lkIjoiMUJCRToxMzM1Ojg5QkJDMjpEMjdGRDY6NUQ4MzU3MzkiLCJ0aW1lc3RhbXAiOjE1Njg4ODg2NTIsImhvc3QiOiJnaXRodWIuY29tIn0=">  
  
<meta name="enabled-features" content="ACTIONS\_V2\_ON\_MARKETPLACE,MARKETPLACE\_FEATURED\_BLOG\_POSTS,MARKETPLACE\_INVOICED\_BILLING,MARKETPLACE\_SOCIAL\_PROOF\_CUSTOMERS,MARKETPLACE\_TRENDING\_SOCIAL\_PROOF,MARKETPLACE\_RECOMMENDATIONS,MARKETPLACE\_PENDING\_INSTALLATIONS,NOTIFY\_ON\_BLOCK,RELATED\_ISSUES,GHE\_CLOUD\_TRIAL">

<link href="https://github.com/jaimyoung/data-science-in-korean/commits/master.atom" rel="alternate" title="Recent Commits to data-science-in-korean:master" type="application/atom+xml">

<link rel="canonical" href="https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd" data-pjax-transient>

<a href="#start-of-content" tabindex="1" class="p-3 bg-blue text-white show-on-focus js-skip-to-content">Skip to content</a>  
<div id="js-pjax-loader-bar" class="pjax-loader-bar"><div class="progress"></div></div>  
  
  
  
  
  
  
 <header class="Header js-details-container Details flex-wrap flex-lg-nowrap p-responsive" role="banner">  
  
<div class="Header-item d-none d-lg-flex">  
 <a class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-ga-click="Header, go to dashboard, icon:logo">

</div>  
  
<div class="Header-item d-lg-none">  
 <button class="Header-link btn-link js-details-target" type="button" aria-label="Toggle navigation" aria-expanded="false">  
 <svg height="24" class="octicon octicon-three-bars" viewBox="0 0 12 16" version="1.1" width="18" aria-hidden="true"><path fill-rule="evenodd" d="M11.41 9H.59C0 9 0 8.59 0 8c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1h.01zm0-4H.59C0 5 0 4.59 0 4c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1h.01zM.59 11H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1H.59C0 13 0 12.59 0 12c0-.59 0-1 .59-1z"/></svg>  
 </button>  
</div>  
  
<div class="Header-item Header-item--full flex-column flex-lg-row width-full flex-order-2 flex-lg-order-none mr-0 mr-lg-3 mt-3 mt-lg-0 Details-content--hidden">  
 <div class="header-search flex-self-stretch flex-lg-self-auto mr-0 mr-lg-3 mb-3 mb-lg-0 scoped-search site-scoped-search js-site-search position-relative js-jump-to"

role=“combobox” aria-owns=“jump-to-results” aria-label=“Search or jump to” aria-haspopup=“listbox” aria-expanded=“false” >

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form" role="search" aria-label="Site" data-scope-type="Repository" data-scope-id="38990914" data-scoped-search-url="/jaimyoung/data-science-in-korean/search" data-unscoped-search-url="/search" action="/jaimyoung/data-science-in-korean/search" accept-charset="UTF-8" method="get"><input name="utf8" type="hidden" value="&#x2713;" />  
 <label class="form-control input-sm header-search-wrapper p-0 header-search-wrapper-jump-to position-relative d-flex flex-justify-between flex-items-center js-chromeless-input-container">  
 <input type="text"  
 class="form-control input-sm header-search-input jump-to-field js-jump-to-field js-site-search-focus js-site-search-field is-clearable"  
 data-hotkey="s,/"  
 name="q"  
 value=""  
 placeholder="Search or jump to…"  
 data-unscoped-placeholder="Search or jump to…"  
 data-scoped-placeholder="Search or jump to…"  
 autocapitalize="off"  
 aria-autocomplete="list"  
 aria-controls="jump-to-results"  
 aria-label="Search or jump to…"  
 data-jump-to-suggestions-path="/\_graphql/GetSuggestedNavigationDestinations#csrf-token=EPA47V73LA9XJ2x3EM+2/ZHYqpYdmQ8317rhc/eofcSPCWLdjgWee9xrxHYYEB7sGEvPmz5EcVe0p6YebBUiuw=="  
 spellcheck="false"  
 autocomplete="off"  
 >  
 <input type="hidden" class="js-site-search-type-field" name="type" >  
 <img src="https://github.githubassets.com/images/search-key-slash.svg" alt="" class="mr-2 header-search-key-slash">  
  
 <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-jump-to-suggestions-container">

<svg height="16" width="16" class="octicon octicon-repo flex-shrink-0 js-jump-to-octicon-repo d-none" title="Repository" aria-label="Repository" viewBox="0 0 12 16" version="1.1" role="img"><path fill-rule="evenodd" d="M4 9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1 1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1 1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-project flex-shrink-0 js-jump-to-octicon-project d-none" title="Project" aria-label="Project" viewBox="0 0 15 16" version="1.1" role="img"><path fill-rule="evenodd" d="M10 12h3V2h-3v10zm-4-2h3V2H6v8zm-4 4h3V2H2v12zm-1 1h13V1H1v14zM14 0H1a1 1 0 0 0-1 1v14a1 1 0 0 0 1 1h13a1 1 0 0 0 1-1V1a1 1 0 0 0-1-1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-search flex-shrink-0 js-jump-to-octicon-search d-none" title="Search" aria-label="Search" viewBox="0 0 16 16" version="1.1" role="img"><path fill-rule="evenodd" d="M15.7 13.3l-3.81-3.83A5.93 5.93 0 0 0 13 6c0-3.31-2.69-6-6-6S1 2.69 1 6s2.69 6 6 6c1.3 0 2.48-.41 3.47-1.11l3.83 3.81c.19.2.45.3.7.3.25 0 .52-.09.7-.3a.996.996 0 0 0 0-1.41v.01zM7 10.7c-2.59 0-4.7-2.11-4.7-4.7 0-2.59 2.11-4.7 4.7-4.7 2.59 0 4.7 2.11 4.7 4.7 0 2.59-2.11 4.7-4.7 4.7z"/></svg>  
</div>  
  
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Team" src="" width="28" height="28">  
  
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-left no-wrap css-truncate css-truncate-target">  
</div>  
  
<div class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none js-jump-to-badge-search">  
 <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this repository">  
 In this repository  
 </span>  
 <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHub">  
 All GitHub  
 </span>  
 <span aria-hidden="true" class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>  
  
<div aria-hidden="true" class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none d-on-nav-focus js-jump-to-badge-jump">  
 Jump to  
 <span class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>

No suggested jump to results

<svg height="16" width="16" class="octicon octicon-repo flex-shrink-0 js-jump-to-octicon-repo d-none" title="Repository" aria-label="Repository" viewBox="0 0 12 16" version="1.1" role="img"><path fill-rule="evenodd" d="M4 9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1 1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1 1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-project flex-shrink-0 js-jump-to-octicon-project d-none" title="Project" aria-label="Project" viewBox="0 0 15 16" version="1.1" role="img"><path fill-rule="evenodd" d="M10 12h3V2h-3v10zm-4-2h3V2H6v8zm-4 4h3V2H2v12zm-1 1h13V1H1v14zM14 0H1a1 1 0 0 0-1 1v14a1 1 0 0 0 1 1h13a1 1 0 0 0 1-1V1a1 1 0 0 0-1-1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-search flex-shrink-0 js-jump-to-octicon-search d-none" title="Search" aria-label="Search" viewBox="0 0 16 16" version="1.1" role="img"><path fill-rule="evenodd" d="M15.7 13.3l-3.81-3.83A5.93 5.93 0 0 0 13 6c0-3.31-2.69-6-6-6S1 2.69 1 6s2.69 6 6 6c1.3 0 2.48-.41 3.47-1.11l3.83 3.81c.19.2.45.3.7.3.25 0 .52-.09.7-.3a.996.996 0 0 0 0-1.41v.01zM7 10.7c-2.59 0-4.7-2.11-4.7-4.7 0-2.59 2.11-4.7 4.7-4.7 2.59 0 4.7 2.11 4.7 4.7 0 2.59-2.11 4.7-4.7 4.7z"/></svg>  
</div>  
  
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Team" src="" width="28" height="28">  
  
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-left no-wrap css-truncate css-truncate-target">  
</div>  
  
<div class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none js-jump-to-badge-search">  
 <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this repository">  
 In this repository  
 </span>  
 <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHub">  
 All GitHub  
 </span>  
 <span aria-hidden="true" class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>  
  
<div aria-hidden="true" class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none d-on-nav-focus js-jump-to-badge-jump">  
 Jump to  
 <span class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>

<svg height="16" width="16" class="octicon octicon-repo flex-shrink-0 js-jump-to-octicon-repo d-none" title="Repository" aria-label="Repository" viewBox="0 0 12 16" version="1.1" role="img"><path fill-rule="evenodd" d="M4 9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1 1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1 1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-project flex-shrink-0 js-jump-to-octicon-project d-none" title="Project" aria-label="Project" viewBox="0 0 15 16" version="1.1" role="img"><path fill-rule="evenodd" d="M10 12h3V2h-3v10zm-4-2h3V2H6v8zm-4 4h3V2H2v12zm-1 1h13V1H1v14zM14 0H1a1 1 0 0 0-1 1v14a1 1 0 0 0 1 1h13a1 1 0 0 0 1-1V1a1 1 0 0 0-1-1z"/></svg>  
 <svg height="16" width="16" class="octicon octicon-search flex-shrink-0 js-jump-to-octicon-search d-none" title="Search" aria-label="Search" viewBox="0 0 16 16" version="1.1" role="img"><path fill-rule="evenodd" d="M15.7 13.3l-3.81-3.83A5.93 5.93 0 0 0 13 6c0-3.31-2.69-6-6-6S1 2.69 1 6s2.69 6 6 6c1.3 0 2.48-.41 3.47-1.11l3.83 3.81c.19.2.45.3.7.3.25 0 .52-.09.7-.3a.996.996 0 0 0 0-1.41v.01zM7 10.7c-2.59 0-4.7-2.11-4.7-4.7 0-2.59 2.11-4.7 4.7-4.7 2.59 0 4.7 2.11 4.7 4.7 0 2.59-2.11 4.7-4.7 4.7z"/></svg>  
</div>  
  
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Team" src="" width="28" height="28">  
  
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-left no-wrap css-truncate css-truncate-target">  
</div>  
  
<div class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none js-jump-to-badge-search">  
 <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this repository">  
 In this repository  
 </span>  
 <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHub">  
 All GitHub  
 </span>  
 <span aria-hidden="true" class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>  
  
<div aria-hidden="true" class="border rounded-1 flex-shrink-0 bg-gray px-1 text-gray-light ml-1 f6 d-none d-on-nav-focus js-jump-to-badge-jump">  
 Jump to  
 <span class="d-inline-block ml-1 v-align-middle">↵</span>  
</div>

<li class="d-flex flex-justify-center flex-items-center p-0 f5 js-jump-to-suggestion">  
 <img src="https://github.githubassets.com/images/spinners/octocat-spinner-128.gif" alt="Octocat Spinner Icon" class="m-2" width="28">  
</li>

</div>  
 </label>

<nav class="d-flex flex-column flex-lg-row flex-self-stretch flex-lg-self-auto" aria-label="Global">  
<a class="Header-link d-block d-lg-none py-2 py-lg-0 border-top border-lg-top-0 border-white-fade-15" data-ga-click="Header, click, Nav menu - item:dashboard:user" aria-label="Dashboard" href="/dashboard">  
 Dashboard

Pull requests Issues

<a class="js-selected-navigation-item Header-link" data-ga-click="Header, click, Nav menu - item:marketplace context:user" data-octo-click="marketplace\_click" data-octo-dimensions="location:nav\_bar" data-selected-links=" /marketplace" href="/marketplace">  
 Marketplace

</div>

Explore

<a class="Header-link d-block d-lg-none mr-0 mr-lg-3 py-2 py-lg-0 border-top border-lg-top-0 border-white-fade-15" href="https://github.com/deokyoung">  
 <img class="avatar" height="20" width="20" alt="@deokyoung" src="https://avatars0.githubusercontent.com/u/21196736?s=60&amp;v=4" />  
 deokyoung

Sign out

</div>  
  
<div class="Header-item Header-item--full flex-justify-center d-lg-none position-relative">  
 <div class="css-truncate css-truncate-target width-fit position-absolute left-0 right-0 text-center">  
 <svg class="octicon octicon-repo" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M4 9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1 1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1 1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>  
<a class="Header-link" href="/jaimyoung">jaimyoung</a>  
/  
<a class="Header-link" href="/jaimyoung/data-science-in-korean">data-science-in-korean</a>

<a aria-label="You have no unread notifications" class="Header-link notification-indicator position-relative tooltipped tooltipped-s js-socket-channel js-notification-indicator" data-hotkey="g n" data-ga-click="Header, go to notifications, icon:read" data-channel="notification-changed:21196736" href="/notifications">  
 <span class="mail-status "></span>  
 <svg class="octicon octicon-bell" viewBox="0 0 14 16" version="1.1" width="14" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M14 12v1H0v-1l.73-.58c.77-.77.81-2.55 1.19-4.42C2.69 3.23 6 2 6 2c0-.55.45-1 1-1s1 .45 1 1c0 0 3.39 1.23 4.16 5 .38 1.88.42 3.66 1.19 4.42l.66.58H14zm-7 4c1.11 0 2-.89 2-2H5c0 1.11.89 2 2 2z"/></svg>

<details class="details-overlay details-reset">

New repository

Import repository

New gist

New organization

<span title="jaimyoung/data-science-in-korean">This repository</span>

<a role="menuitem" class="dropdown-item" href="/jaimyoung/data-science-in-korean/issues/new" data-ga-click="Header, create new issue" data-skip-pjax>  
 New issue  
</a>

</div>  
  
<div class="Header-item position-relative mr-0 d-none d-lg-flex">

Signed in as deokyoung

<div class="pl-3 pr-3 f6 user-status-container js-user-status-context pb-1" data-url="/users/status?compact=1&amp;link\_mentions=0&amp;truncate=1">

<div class="f6 lh-condensed user-status-header  
 d-inline-block v-align-middle  
 user-status-emoji-only-header circle  
 pr-2

" style=“max-width: 29px” >

<svg class="octicon octicon-smiley" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8s3.58 8 8 8 8-3.58 8-8-3.58-8-8-8zm4.81 12.81a6.72 6.72 0 0 1-2.17 1.45c-.83.36-1.72.53-2.64.53-.92 0-1.81-.17-2.64-.53-.81-.34-1.55-.83-2.17-1.45a6.773 6.773 0 0 1-1.45-2.17A6.59 6.59 0 0 1 1.21 8c0-.92.17-1.81.53-2.64.34-.81.83-1.55 1.45-2.17.62-.62 1.36-1.11 2.17-1.45A6.59 6.59 0 0 1 8 1.21c.92 0 1.81.17 2.64.53.81.34 1.55.83 2.17 1.45.62.62 1.11 1.36 1.45 2.17.36.83.53 1.72.53 2.64 0 .92-.17 1.81-.53 2.64-.34.81-.83 1.55-1.45 2.17zM4 6.8v-.59c0-.66.53-1.19 1.2-1.19h.59c.66 0 1.19.53 1.19 1.19v.59c0 .67-.53 1.2-1.19 1.2H5.2C4.53 8 4 7.47 4 6.8zm5 0v-.59c0-.66.53-1.19 1.2-1.19h.59c.66 0 1.19.53 1.19 1.19v.59c0 .67-.53 1.2-1.19 1.2h-.59C9.53 8 9 7.47 9 6.8zm4 3.2c-.72 1.88-2.91 3-5 3s-4.28-1.13-5-3c-.14-.39.23-1 .66-1h8.59c.41 0 .89.61.75 1z"/></svg>  
 </div>  
 </div>  
 <div class="  
 d-inline-block v-align-middle  
   
   
 css-truncate css-truncate-target   
 user-status-message-wrapper f6"  
 style="line-height: 20px;" >  
 <div class="d-inline-block text-gray-dark v-align-text-top text-left">  
 <span class="text-gray ml-2">Set status</span>  
 </div>  
 </div>  
 </div>  
</summary>  
<details-dialog class="details-dialog rounded-1 anim-fade-in fast Box Box--overlay" role="dialog" tabindex="-1">  
 <!-- '"` --><!-- </textarea></xmp> --></option></form><form class="position-relative flex-auto js-user-status-form" action="/users/status?compact=1&amp;link\_mentions=0&amp;truncate=1" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="\_method" value="put" /><input type="hidden" name="authenticity\_token" value="EBAd2gP209fcfrPnsL4SYtSCYpvmjiXUzwQyvYfkU9+tMgGpAV/YxTQaKzFGmA/Z65yqscnG6oEIZNiYjaIofQ==" />  
 <div class="Box-header bg-gray border-bottom p-3">  
 <button class="Box-btn-octicon js-toggle-user-status-edit btn-octicon float-right" type="reset" aria-label="Close dialog" data-close-dialog>  
 <svg class="octicon octicon-x" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48L7.48 8z"/></svg>  
 </button>  
 <h3 class="Box-title f5 text-bold text-gray-dark">Edit status</h3>  
 </div>  
 <input type="hidden" name="emoji" class="js-user-status-emoji-field" value="">  
 <input type="hidden" name="organization\_id" class="js-user-status-org-id-field" value="">  
 <div class="px-3 py-2 text-gray-dark">  
 <div class="js-characters-remaining-container position-relative mt-2">  
 <div class="input-group d-table form-group my-0 js-user-status-form-group">  
 <span class="input-group-button d-table-cell v-align-middle" style="width: 1%">  
 <button type="button" aria-label="Choose an emoji" class="btn-outline btn js-toggle-user-status-emoji-picker btn-open-emoji-picker p-0">  
 <span class="js-user-status-original-emoji" hidden></span>  
 <span class="js-user-status-custom-emoji"></span>  
 <span class="js-user-status-no-emoji-icon" >  
 <svg class="octicon octicon-smiley" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8s3.58 8 8 8 8-3.58 8-8-3.58-8-8-8zm4.81 12.81a6.72 6.72 0 0 1-2.17 1.45c-.83.36-1.72.53-2.64.53-.92 0-1.81-.17-2.64-.53-.81-.34-1.55-.83-2.17-1.45a6.773 6.773 0 0 1-1.45-2.17A6.59 6.59 0 0 1 1.21 8c0-.92.17-1.81.53-2.64.34-.81.83-1.55 1.45-2.17.62-.62 1.36-1.11 2.17-1.45A6.59 6.59 0 0 1 8 1.21c.92 0 1.81.17 2.64.53.81.34 1.55.83 2.17 1.45.62.62 1.11 1.36 1.45 2.17.36.83.53 1.72.53 2.64 0 .92-.17 1.81-.53 2.64-.34.81-.83 1.55-1.45 2.17zM4 6.8v-.59c0-.66.53-1.19 1.2-1.19h.59c.66 0 1.19.53 1.19 1.19v.59c0 .67-.53 1.2-1.19 1.2H5.2C4.53 8 4 7.47 4 6.8zm5 0v-.59c0-.66.53-1.19 1.2-1.19h.59c.66 0 1.19.53 1.19 1.19v.59c0 .67-.53 1.2-1.19 1.2h-.59C9.53 8 9 7.47 9 6.8zm4 3.2c-.72 1.88-2.91 3-5 3s-4.28-1.13-5-3c-.14-.39.23-1 .66-1h8.59c.41 0 .89.61.75 1z"/></svg>  
 </span>  
 </button>  
 </span>  
 <text-expander keys=": @" data-mention-url="/autocomplete/user-suggestions" data-emoji-url="/autocomplete/emoji">  
 <input  
 type="text"  
 autocomplete="off"  
 data-no-org-url="/autocomplete/user-suggestions"  
 data-org-url="/suggestions?mention\_suggester=1"  
 data-maxlength="80"  
 class="d-table-cell width-full form-control js-user-status-message-field js-characters-remaining-field"  
 placeholder="What's happening?"  
 name="message"  
 value=""  
 aria-label="What is your current status?">  
 </text-expander>  
 <div class="error">Could not update your status, please try again.</div>  
 </div>  
 <div style="margin-left: 53px" class="my-1 text-small label-characters-remaining js-characters-remaining" data-suffix="remaining" hidden>  
 80 remaining  
 </div>  
 </div>  
 <include-fragment class="js-user-status-emoji-picker" data-url="/users/status/emoji"></include-fragment>  
 <div class="overflow-auto ml-n3 mr-n3 px-3 border-bottom" style="max-height: 33vh">  
 <div class="user-status-suggestions js-user-status-suggestions collapsed overflow-hidden">  
 <h4 class="f6 text-normal my-3">Suggestions:</h4>  
 <div class="mx-3 mt-2 clearfix">  
 <div class="float-left col-6">  
 <button type="button" value=":palm\_tree:" class="d-flex flex-items-baseline flex-items-stretch lh-condensed f6 btn-link link-gray no-underline js-predefined-user-status mb-1">  
 <div class="emoji-status-width mr-2 v-align-middle js-predefined-user-status-emoji">  
 <g-emoji alias="palm\_tree" fallback-src="https://github.githubassets.com/images/icons/emoji/unicode/1f334.png">🌴</g-emoji>  
 </div>  
 <div class="d-flex flex-items-center no-underline js-predefined-user-status-message ws-normal text-left" style="border-left: 1px solid transparent">  
 On vacation  
 </div>  
 </button>  
 <button type="button" value=":face\_with\_thermometer:" class="d-flex flex-items-baseline flex-items-stretch lh-condensed f6 btn-link link-gray no-underline js-predefined-user-status mb-1">  
 <div class="emoji-status-width mr-2 v-align-middle js-predefined-user-status-emoji">  
 <g-emoji alias="face\_with\_thermometer" fallback-src="https://github.githubassets.com/images/icons/emoji/unicode/1f912.png">🤒</g-emoji>  
 </div>  
 <div class="d-flex flex-items-center no-underline js-predefined-user-status-message ws-normal text-left" style="border-left: 1px solid transparent">  
 Out sick  
 </div>  
 </button>  
 </div>  
 <div class="float-left col-6">  
 <button type="button" value=":house:" class="d-flex flex-items-baseline flex-items-stretch lh-condensed f6 btn-link link-gray no-underline js-predefined-user-status mb-1">  
 <div class="emoji-status-width mr-2 v-align-middle js-predefined-user-status-emoji">  
 <g-emoji alias="house" fallback-src="https://github.githubassets.com/images/icons/emoji/unicode/1f3e0.png">🏠</g-emoji>  
 </div>  
 <div class="d-flex flex-items-center no-underline js-predefined-user-status-message ws-normal text-left" style="border-left: 1px solid transparent">  
 Working from home  
 </div>  
 </button>  
 <button type="button" value=":dart:" class="d-flex flex-items-baseline flex-items-stretch lh-condensed f6 btn-link link-gray no-underline js-predefined-user-status mb-1">  
 <div class="emoji-status-width mr-2 v-align-middle js-predefined-user-status-emoji">  
 <g-emoji alias="dart" fallback-src="https://github.githubassets.com/images/icons/emoji/unicode/1f3af.png">🎯</g-emoji>  
 </div>  
 <div class="d-flex flex-items-center no-underline js-predefined-user-status-message ws-normal text-left" style="border-left: 1px solid transparent">  
 Focusing  
 </div>  
 </button>  
 </div>  
 </div>  
 </div>  
 <div class="user-status-limited-availability-container">  
 <div class="form-checkbox my-0">  
 <input type="checkbox" name="limited\_availability" value="1" class="js-user-status-limited-availability-checkbox" data-default-message="I may be slow to respond." aria-describedby="limited-availability-help-text-truncate-true-compact-true" id="limited-availability-truncate-true-compact-true">  
 <label class="d-block f5 text-gray-dark mb-1" for="limited-availability-truncate-true-compact-true">  
 Busy  
 </label>  
 <p class="note" id="limited-availability-help-text-truncate-true-compact-true">  
 When others mention you, assign you, or request your review,  
 GitHub will let them know that you have limited availability.  
 </p>  
 </div>  
 </div>  
 </div>

Clear status

Never  
 </div>  
 <div class="dropdown-caret"></div>  
</summary>  
  
<ul class="dropdown-menu dropdown-menu-se pl-0 overflow-auto" style="width: 220px; max-height: 15.5em">  
 <li>  
 <button type="button" class="btn-link dropdown-item js-user-status-expire-button ws-normal" title="Never">  
 <span class="d-inline-block text-bold mb-1">Never</span>  
 <div class="f6 lh-condensed">Keep this status until you clear your status or edit your status.</div>  
 </button>  
 </li>  
 <li class="dropdown-divider" role="none"></li>  
 <li>  
 <button type="button" class="btn-link dropdown-item ws-normal js-user-status-expire-button" title="in 30 minutes" value="2019-09-19T19:54:12+09:00">  
 in 30 minutes  
 </button>  
 </li>  
 <li>  
 <button type="button" class="btn-link dropdown-item ws-normal js-user-status-expire-button" title="in 1 hour" value="2019-09-19T20:24:12+09:00">  
 in 1 hour  
 </button>  
 </li>  
 <li>  
 <button type="button" class="btn-link dropdown-item ws-normal js-user-status-expire-button" title="in 4 hours" value="2019-09-19T23:24:12+09:00">  
 in 4 hours  
 </button>  
 </li>  
 <li>  
 <button type="button" class="btn-link dropdown-item ws-normal js-user-status-expire-button" title="today" value="2019-09-19T23:59:59+09:00">  
 today  
 </button>  
 </li>  
 <li>  
 <button type="button" class="btn-link dropdown-item ws-normal js-user-status-expire-button" title="this week" value="2019-09-22T23:59:59+09:00">  
 this week  
 </button>  
 </li>  
</ul>

<include-fragment class="js-user-status-org-picker" data-url="/users/status/organizations"></include-fragment>  
 </div>  
 <div class="d-flex flex-items-center flex-justify-between p-3 border-top">  
 <button type="submit" disabled class="width-full btn btn-primary mr-2 js-user-status-submit">  
 Set status  
 </button>  
 <button type="button" disabled class="width-full js-clear-user-status-button btn ml-2 ">  
 Clear status  
 </button>  
 </div>

</div>  
 <div role="none" class="dropdown-divider"></div>  
  
  
<a role="menuitem" class="dropdown-item" href="/deokyoung" data-ga-click="Header, go to profile, text:your profile">Your profile</a>  
  
  
<a role="menuitem" class="dropdown-item" href="/deokyoung?tab=repositories" data-ga-click="Header, go to repositories, text:your repositories">Your repositories</a>  
  
<a role="menuitem" class="dropdown-item" href="/deokyoung?tab=projects" data-ga-click="Header, go to projects, text:your projects">Your projects</a>  
  
<a role="menuitem" class="dropdown-item" href="/deokyoung?tab=stars" data-ga-click="Header, go to starred repos, text:your stars">Your stars</a>  
 <a role="menuitem" class="dropdown-item" href="https://gist.github.com/mine" data-ga-click="Header, your gists, text:your gists">Your gists</a>  
  
  
<div role="none" class="dropdown-divider"></div>  
<a role="menuitem" class="dropdown-item" href="https://help.github.com" data-ga-click="Header, go to help, text:help">Help</a>  
<a role="menuitem" class="dropdown-item" href="/settings/profile" data-ga-click="Header, go to settings, icon:settings">Settings</a>  
<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="logout-form" action="/logout" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="authenticity\_token" value="4jI0evVjmBzMSy1I0nDdebCyf39P5VSMAlXNckh4TufTlUCDemll1UoXaCvb/L4jlB/DxGFmm2/X24fHtoMuBw==" />  
   
 <button type="submit" class="dropdown-item dropdown-signout" data-ga-click="Header, sign out, icon:logout" role="menuitem">  
 Sign out  
 </button>

</div>

<div id="js-flash-container">

<div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">  
<main >  
   
  
  
  
  
 <div class="border-bottom shelf intro-shelf js-notice mb-0 pb-4">

<div class="width-full mx-auto shelf-content">  
 <h2 class="shelf-title">Learn Git and GitHub without any code!</h2>  
 <p class="shelf-lead">  
 Using the Hello World guide, you’ll start a branch, write comments, and open a pull request.  
 </p>  
 <a class="btn btn-primary shelf-cta" target="\_blank" data-hydro-click="{&quot;event\_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&quot;target&quot;:&quot;READ\_GUIDE&quot;,&quot;repository\_id&quot;:38990914,&quot;client\_id&quot;:&quot;1103096479.1550297407&quot;,&quot;originating\_request\_id&quot;:&quot;1BBE:1335:89BBC2:D27FD6:5D835739&quot;,&quot;originating\_url&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd&quot;,&quot;referrer&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean&quot;,&quot;user\_id&quot;:21196736}}" data-hydro-click-hmac="95e6274609855812fc382d63cffe30cb04a4402f6fde201b6b272ae2d244ee4c" href="https://guides.github.com/activities/hello-world/">Read the guide</a>  
</div>  
<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="shelf-dismiss js-notice-dismiss" action="/dashboard/dismiss\_bootcamp" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="\_method" value="delete" /><input type="hidden" name="authenticity\_token" value="fV4j6PLXOlGhWPA85vJQzhw1KbrdmCVeeg7X+k36d87Ac9dpJLVTV9902vxLYm+PzZ0xN29Tbsnf/OK8jc0xCA==" />  
 <button name="button" type="submit" class="mr-1 close-button tooltipped tooltipped-w" aria-label="Hide this notice forever" data-hydro-click="{&quot;event\_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&quot;target&quot;:&quot;DISMISS\_BANNER&quot;,&quot;repository\_id&quot;:38990914,&quot;client\_id&quot;:&quot;1103096479.1550297407&quot;,&quot;originating\_request\_id&quot;:&quot;1BBE:1335:89BBC2:D27FD6:5D835739&quot;,&quot;originating\_url&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd&quot;,&quot;referrer&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean&quot;,&quot;user\_id&quot;:21196736}}" data-hydro-click-hmac="c9d37f2dea46abad512783d52ffe0b7bd5bd070d723315da6f4433ca65c29622">  
 <svg aria-label="Hide this notice forever" class="octicon octicon-x v-align-text-top" viewBox="0 0 12 16" version="1.1" width="12" height="16" role="img"><path fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48L7.48 8z"/></svg>

<div class="repohead-details-container clearfix container-lg p-responsive d-none d-lg-block">  
  
 <ul class="pagehead-actions">

<details class="details-reset details-overlay select-menu float-left">  
 <summary class="select-menu-button float-left btn btn-sm btn-with-count" data-hydro-click="{&quot;event\_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&quot;target&quot;:&quot;WATCH\_BUTTON&quot;,&quot;repository\_id&quot;:38990914,&quot;client\_id&quot;:&quot;1103096479.1550297407&quot;,&quot;originating\_request\_id&quot;:&quot;1BBE:1335:89BBC2:D27FD6:5D835739&quot;,&quot;originating\_url&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd&quot;,&quot;referrer&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean&quot;,&quot;user\_id&quot;:21196736}}" data-hydro-click-hmac="cb2a93d99cf26acd8a16797c2b7edaf400e8f895fcafea3633481532beeffec8" data-ga-click="Repository, click Watch settings, action:blob#show"> <span data-menu-button>  
 <svg class="octicon octicon-eye v-align-text-bottom" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.06 2C3 2 0 8 0 8s3 6 8.06 6C13 14 16 8 16 8s-3-6-7.94-6zM8 12c-2.2 0-4-1.78-4-4 0-2.2 1.8-4 4-4 2.22 0 4 1.8 4 4 0 2.22-1.78 4-4 4zm2-4c0 1.11-.89 2-2 2-1.11 0-2-.89-2-2 0-1.11.89-2 2-2 1.11 0 2 .89 2 2z"/></svg>  
 Watch  
 </span>

<span class="select-menu-title">Notifications</span>  
 </div>  
 <div class="select-menu-list">  
 <button type="submit" name="do" value="included" class="select-menu-item width-full" aria-checked="true" role="menuitemradio">  
 <svg class="octicon octicon-check select-menu-item-icon" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M12 5l-8 8-4-4 1.5-1.5L4 10l6.5-6.5L12 5z"/></svg>  
 <div class="select-menu-item-text">  
 <span class="select-menu-item-heading">Not watching</span>  
 <span class="description">Be notified only when participating or @mentioned.</span>  
 <span class="hidden-select-button-text" data-menu-button-contents>  
 <svg class="octicon octicon-eye v-align-text-bottom" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.06 2C3 2 0 8 0 8s3 6 8.06 6C13 14 16 8 16 8s-3-6-7.94-6zM8 12c-2.2 0-4-1.78-4-4 0-2.2 1.8-4 4-4 2.22 0 4 1.8 4 4 0 2.22-1.78 4-4 4zm2-4c0 1.11-.89 2-2 2-1.11 0-2-.89-2-2 0-1.11.89-2 2-2 1.11 0 2 .89 2 2z"/></svg>  
 Watch  
 </span>  
 </div>  
 </button>  
  
 <button type="submit" name="do" value="release\_only" class="select-menu-item width-full" aria-checked="false" role="menuitemradio">  
 <svg class="octicon octicon-check select-menu-item-icon" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M12 5l-8 8-4-4 1.5-1.5L4 10l6.5-6.5L12 5z"/></svg>  
 <div class="select-menu-item-text">  
 <span class="select-menu-item-heading">Releases only</span>  
 <span class="description">Be notified of new releases, and when participating or @mentioned.</span>  
 <span class="hidden-select-button-text" data-menu-button-contents>  
 <svg class="octicon octicon-eye v-align-text-bottom" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.06 2C3 2 0 8 0 8s3 6 8.06 6C13 14 16 8 16 8s-3-6-7.94-6zM8 12c-2.2 0-4-1.78-4-4 0-2.2 1.8-4 4-4 2.22 0 4 1.8 4 4 0 2.22-1.78 4-4 4zm2-4c0 1.11-.89 2-2 2-1.11 0-2-.89-2-2 0-1.11.89-2 2-2 1.11 0 2 .89 2 2z"/></svg>  
 Unwatch releases  
 </span>  
 </div>  
 </button>  
  
 <button type="submit" name="do" value="subscribed" class="select-menu-item width-full" aria-checked="false" role="menuitemradio">  
 <svg class="octicon octicon-check select-menu-item-icon" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M12 5l-8 8-4-4 1.5-1.5L4 10l6.5-6.5L12 5z"/></svg>  
 <div class="select-menu-item-text">  
 <span class="select-menu-item-heading">Watching</span>  
 <span class="description">Be notified of all conversations.</span>  
 <span class="hidden-select-button-text" data-menu-button-contents>  
 <svg class="octicon octicon-eye v-align-text-bottom" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.06 2C3 2 0 8 0 8s3 6 8.06 6C13 14 16 8 16 8s-3-6-7.94-6zM8 12c-2.2 0-4-1.78-4-4 0-2.2 1.8-4 4-4 2.22 0 4 1.8 4 4 0 2.22-1.78 4-4 4zm2-4c0 1.11-.89 2-2 2-1.11 0-2-.89-2-2 0-1.11.89-2 2-2 1.11 0 2 .89 2 2z"/></svg>  
 Unwatch  
 </span>  
 </div>  
 </button>  
  
 <button type="submit" name="do" value="ignore" class="select-menu-item width-full" aria-checked="false" role="menuitemradio">  
 <svg class="octicon octicon-check select-menu-item-icon" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M12 5l-8 8-4-4 1.5-1.5L4 10l6.5-6.5L12 5z"/></svg>  
 <div class="select-menu-item-text">  
 <span class="select-menu-item-heading">Ignoring</span>  
 <span class="description">Never be notified.</span>  
 <span class="hidden-select-button-text" data-menu-button-contents>  
 <svg class="octicon octicon-mute v-align-text-bottom" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8 2.81v10.38c0 .67-.81 1-1.28.53L3 10H1c-.55 0-1-.45-1-1V7c0-.55.45-1 1-1h2l3.72-3.72C7.19 1.81 8 2.14 8 2.81zm7.53 3.22l-1.06-1.06-1.97 1.97-1.97-1.97-1.06 1.06L11.44 8 9.47 9.97l1.06 1.06 1.97-1.97 1.97 1.97 1.06-1.06L13.56 8l1.97-1.97z"/></svg>  
 Stop ignoring  
 </span>  
 </div>  
 </button>  
 </div>  
 </details-menu>  
 </details>  
 <a class="social-count js-social-count"  
 href="/jaimyoung/data-science-in-korean/watchers"  
 aria-label="7 users are watching this repository">  
 7  
 </a>

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="starred js-social-form" action="/jaimyoung/data-science-in-korean/unstar" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="authenticity\_token" value="5CCsQM50Hm68ijcOuNTIQ9JSuDPx8DR+DSd/S+2sFlJQfXKvaMAsbSfaWOESNc6oODdZeMjQOnBpja6+TqM9tw==" />  
 <input type="hidden" name="context" value="repository"></input>  
 <button type="submit" class="btn btn-sm btn-with-count js-toggler-target" aria-label="Unstar this repository" title="Unstar jaimyoung/data-science-in-korean" data-hydro-click="{&quot;event\_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&quot;target&quot;:&quot;UNSTAR\_BUTTON&quot;,&quot;repository\_id&quot;:38990914,&quot;client\_id&quot;:&quot;1103096479.1550297407&quot;,&quot;originating\_request\_id&quot;:&quot;1BBE:1335:89BBC2:D27FD6:5D835739&quot;,&quot;originating\_url&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd&quot;,&quot;referrer&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean&quot;,&quot;user\_id&quot;:21196736}}" data-hydro-click-hmac="0fd7818a6b573e805c0f9e02e40e2c8cf29e4e26c7892619eb50cf6275306df6" data-ga-click="Repository, click unstar button, action:blob#show; text:Unstar"> <svg class="octicon octicon-star v-align-text-bottom" viewBox="0 0 14 16" version="1.1" width="14" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M14 6l-4.9-.64L7 1 4.9 5.36 0 6l3.6 3.26L2.67 14 7 11.67 11.33 14l-.93-4.74L14 6z"/></svg>  
 Unstar

40

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="unstarred js-social-form" action="/jaimyoung/data-science-in-korean/star" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="authenticity\_token" value="0Vhkw+em75cSWO3qEO7xrJLnP0axK42+wAkhtW/VAeXTLqSr0vWTTmhHQlSo2c7hkiImj9j4qzRDbN6Dq3rd4w==" />  
 <input type="hidden" name="context" value="repository"></input>  
 <button type="submit" class="btn btn-sm btn-with-count js-toggler-target" aria-label="Unstar this repository" title="Star jaimyoung/data-science-in-korean" data-hydro-click="{&quot;event\_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&quot;target&quot;:&quot;STAR\_BUTTON&quot;,&quot;repository\_id&quot;:38990914,&quot;client\_id&quot;:&quot;1103096479.1550297407&quot;,&quot;originating\_request\_id&quot;:&quot;1BBE:1335:89BBC2:D27FD6:5D835739&quot;,&quot;originating\_url&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean/blob/master/template-proto.Rmd&quot;,&quot;referrer&quot;:&quot;https://github.com/jaimyoung/data-science-in-korean&quot;,&quot;user\_id&quot;:21196736}}" data-hydro-click-hmac="c8399e57e8b27860116a8b111c24eb632f376b1137407fcc7cc9ce82e80b8c56" data-ga-click="Repository, click star button, action:blob#show; text:Star"> <svg class="octicon octicon-star v-align-text-bottom" viewBox="0 0 14 16" version="1.1" width="14" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M14 6l-4.9-.64L7 1 4.9 5.36 0 6l3.6 3.26L2.67 14 7 11.67 11.33 14l-.93-4.74L14 6z"/></svg>  
 Star

40

Fork

<button class="Box-btn-octicon btn-octicon float-right" type="button" aria-label="Close dialog" data-close-dialog>  
 <svg class="octicon octicon-x" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48L7.48 8z"/></svg>  
 </button>  
 <h3 class="Box-title">Fork data-science-in-korean</h3>  
 </div>  
 <div class="overflow-auto text-center">  
 <include-fragment>  
 <div class="octocat-spinner my-3" aria-label="Loading..."></div>  
 <p class="f5 text-gray">If this dialog fails to load, you can visit <a href="/jaimyoung/data-science-in-korean/fork">the fork page</a> directly.</p>  
 </include-fragment>  
 </div>  
 </details-dialog>  
 </details>  
  
<a href="/jaimyoung/data-science-in-korean/network/members" class="social-count"  
 aria-label="19 users forked this repository">  
 19  
</a>

<h1 class="public ">  
<svg class="octicon octicon-repo" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M4 9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1 1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1 1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>

jaimyoung/data-science-in-korean

</div>

Code

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a itemprop="url" data-hotkey="g i" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_issues repo\_labels repo\_milestones /jaimyoung/data-science-in-korean/issues" href="/jaimyoung/data-science-in-korean/issues">  
 <svg class="octicon octicon-issue-opened" viewBox="0 0 14 16" version="1.1" width="14" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M7 2.3c3.14 0 5.7 2.56 5.7 5.7s-2.56 5.7-5.7 5.7A5.71 5.71 0 0 1 1.3 8c0-3.14 2.56-5.7 5.7-5.7zM7 1C3.14 1 0 4.14 0 8s3.14 7 7 7 7-3.14 7-7-3.14-7-7-7zm1 3H6v5h2V4zm0 6H6v2h2v-2z"/></svg>  
 <span itemprop="name">Issues</span>  
 <span class="Counter">0</span>  
 <meta itemprop="position" content="2">

Pull requests 0

<a data-hotkey="g b" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_projects new\_repo\_project repo\_project /jaimyoung/data-science-in-korean/projects" href="/jaimyoung/data-science-in-korean/projects">  
 <svg class="octicon octicon-project" viewBox="0 0 15 16" version="1.1" width="15" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M10 12h3V2h-3v10zm-4-2h3V2H6v8zm-4 4h3V2H2v12zm-1 1h13V1H1v14zM14 0H1a1 1 0 0 0-1 1v14a1 1 0 0 0 1 1h13a1 1 0 0 0 1-1V1a1 1 0 0 0-1-1z"/></svg>  
 Projects  
 <span class="Counter" >0</span>

<a class="js-selected-navigation-item reponav-item" data-hotkey="g w" data-selected-links="repo\_wiki /jaimyoung/data-science-in-korean/wiki" href="/jaimyoung/data-science-in-korean/wiki">  
 <svg class="octicon octicon-book" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M3 5h4v1H3V5zm0 3h4V7H3v1zm0 2h4V9H3v1zm11-5h-4v1h4V5zm0 2h-4v1h4V7zm0 2h-4v1h4V9zm2-6v9c0 .55-.45 1-1 1H9.5l-1 1-1-1H2c-.55 0-1-.45-1-1V3c0-.55.45-1 1-1h5.5l1 1 1-1H15c.55 0 1 .45 1 1zm-8 .5L7.5 3H2v9h6V3.5zm7-.5H9.5l-.5.5V12h6V3z"/></svg>  
 Wiki

Security Insights

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a class="js-selected-navigation-item selected reponav-item" itemprop="url" aria-current="page" data-selected-links="repo\_source repo\_downloads repo\_commits repo\_releases repo\_tags repo\_branches repo\_packages /jaimyoung/data-science-in-korean" href="/jaimyoung/data-science-in-korean">  
 <span itemprop="name">Code</span>  
 <meta itemprop="position" content="1">

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a itemprop="url" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_issues repo\_labels repo\_milestones /jaimyoung/data-science-in-korean/issues" href="/jaimyoung/data-science-in-korean/issues">  
 <span itemprop="name">Issues</span>  
 <span class="Counter">0</span>  
 <meta itemprop="position" content="2">

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a itemprop="url" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_pulls checks /jaimyoung/data-science-in-korean/pulls" href="/jaimyoung/data-science-in-korean/pulls">  
 <span itemprop="name">Pull requests</span>  
 <span class="Counter">0</span>  
 <meta itemprop="position" content="3">

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a itemprop="url" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_projects new\_repo\_project repo\_project /jaimyoung/data-science-in-korean/projects" href="/jaimyoung/data-science-in-korean/projects">  
 <span itemprop="name">Projects</span>  
 <span class="Counter">0</span>  
 <meta itemprop="position" content="4">

<span itemscope itemtype="http://schema.org/ListItem" itemprop="itemListElement">  
 <a itemprop="url" class="js-selected-navigation-item reponav-item" data-selected-links="repo\_wiki /jaimyoung/data-science-in-korean/wiki" href="/jaimyoung/data-science-in-korean/wiki">  
 <span itemprop="name">Wiki</span>  
 <meta itemprop="position" content="5">

<a itemprop="url" class="js-selected-navigation-item reponav-item" data-selected-links="security alerts policy code\_scanning /jaimyoung/data-science-in-korean/security/advisories" href="/jaimyoung/data-science-in-korean/security/advisories">  
 <span itemprop="name">Security</span>  
 <meta itemprop="position" content="6">

Pulse Community

<a class="d-none js-permalink-shortcut" data-hotkey="y" href="/jaimyoung/data-science-in-korean/blob/32430cd67a8452a48995de2bc31453dd4ddc1ef4/template-proto.Rmd">Permalink</a>  
  
<!-- blob contrib key: blob\_contributors:v21:f11ed4dbcf6e1403d050abf8c03d9981 -->  
   
  
<div class="d-flex flex-items-start flex-shrink-0 pb-3 flex-column flex-md-row">  
 <span class="d-flex flex-justify-between width-full width-md-auto">

Branch: master

<div class="BtnGroup flex-shrink-0 d-md-none">  
 <a href="/jaimyoung/data-science-in-korean/find/master"  
 class="js-pjax-capture-input btn btn-sm BtnGroup-item"  
 data-pjax  
 data-hotkey="t">  
 Find file  
 </a>  
 <clipboard-copy value="template-proto.Rmd" class="btn btn-sm BtnGroup-item">  
 Copy path  
 </clipboard-copy>  
 </div>  
 </span>  
 <h2 id="blob-path" class="breadcrumb flex-auto min-width-0 text-normal flex-md-self-center ml-md-2 mr-md-3 my-2 my-md-0">  
 <span class="js-repo-root text-bold"><span class="js-path-segment"><a data-pjax="true" href="/jaimyoung/data-science-in-korean"><span>data-science-in-korean</span></a></span></span><span class="separator">/</span><strong class="final-path">template-proto.Rmd</strong>  
 </h2>  
  
 <div class="BtnGroup flex-shrink-0 d-none d-md-inline-block">  
 <a href="/jaimyoung/data-science-in-korean/find/master"  
 class="js-pjax-capture-input btn btn-sm BtnGroup-item"  
 data-pjax  
 data-hotkey="t">  
 Find file  
 </a>  
 <clipboard-copy value="template-proto.Rmd" class="btn btn-sm BtnGroup-item">  
 Copy path  
 </clipboard-copy>  
 </div>  
</div>

<div class="Box-body d-flex flex-justify-between bg-blue-light flex-column flex-md-row flex-items-start flex-md-items-center">  
 <span class="pr-md-4 f6">  
 <img class="avatar" width="20" height="20" alt="" src="https://camo.githubusercontent.com/fb1d4bca41324965ee840630df6a00715ff964c0/68747470733a2f2f302e67726176617461722e636f6d2f6176617461722f63303831643661336165653030663163626239346533343031613761393831393f643d68747470732533412532462532466769746875622e6769746875626173736574732e636f6d253246696d6167657325324667726176617461727325324667726176617461722d757365722d3432302e706e6726723d6726733d313430" data-canonical-src="https://0.gravatar.com/avatar/c081d6a3aee00f1cbb94e3401a7a9819?d=https%3A%2F%2Fgithub.githubassets.com%2Fimages%2Fgravatars%2Fgravatar-user-420.png&amp;r=g&amp;s=140" />  
 <span class="text-bold link-gray-dark lh-default v-align-middle">Jaimie Kwon</span>  
 <span class="lh-default v-align-middle">  
 <a data-pjax="true" title="Add contents for R markdown in Korean" class="link-gray" href="/jaimyoung/data-science-in-korean/commit/3c12ba36e4dd5ecd080434e95d09881111d77853">Add contents for R markdown in Korean</a>  
 </span>  
 </span>  
 <span class="d-inline-block flex-shrink-0 v-align-bottom f6 mt-2 mt-md-0">  
 <a class="pr-2 text-mono link-gray" href="/jaimyoung/data-science-in-korean/commit/3c12ba36e4dd5ecd080434e95d09881111d77853" data-pjax>3c12ba3</a>  
 <relative-time datetime="2015-08-23T22:49:20Z">Aug 24, 2015</relative-time>  
 </span>  
 </div>  
  
<div class="Box-body d-flex flex-items-center flex-auto f6 border-bottom-0 flex-wrap" >  
 <details class="details-reset details-overlay details-overlay-dark lh-default text-gray-dark float-left mr-2" id="blob\_contributors\_box">  
 <summary class="btn-link">  
 <span><strong>0</strong> contributors</span>  
 </summary>  
 <details-dialog  
 class="Box Box--overlay d-flex flex-column anim-fade-in fast"  
 aria-label="Users who have contributed to this file"  
 src="/jaimyoung/data-science-in-korean/contributors/master/template-proto.Rmd/list" preload>  
 <div class="Box-header">  
 <button class="Box-btn-octicon btn-octicon float-right" type="button" aria-label="Close dialog" data-close-dialog>  
 <svg class="octicon octicon-x" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48L7.48 8z"/></svg>  
 </button>  
 <h3 class="Box-title">  
 Users who have contributed to this file  
 </h3>  
 </div>  
 <include-fragment class="octocat-spinner my-3" aria-label="Loading..."></include-fragment>  
 </details-dialog>  
 </details>  
</div>

<div class="Box mt-3 position-relative">

69 lines (49 sloc)  
 <span class="file-info-divider"></span>  
1.54 KB

<div class="BtnGroup">  
 <a id="raw-url" class="btn btn-sm BtnGroup-item" href="/jaimyoung/data-science-in-korean/raw/master/template-proto.Rmd">Raw</a>  
 <a class="btn btn-sm js-update-url-with-hash BtnGroup-item" data-hotkey="b" href="/jaimyoung/data-science-in-korean/blame/master/template-proto.Rmd">Blame</a>  
 <a rel="nofollow" class="btn btn-sm BtnGroup-item" href="/jaimyoung/data-science-in-korean/commits/master/template-proto.Rmd">History</a>  
</div>  
  
  
<div>  
 <a class="btn-octicon tooltipped tooltipped-nw hide-sm"  
 href="x-github-client://openRepo/https://github.com/jaimyoung/data-science-in-korean?branch=master&amp;filepath=template-proto.Rmd"  
 aria-label="Open this file in GitHub Desktop"  
 data-ga-click="Repository, open with desktop, type:windows">  
 <svg class="octicon octicon-device-desktop" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M15 2H1c-.55 0-1 .45-1 1v9c0 .55.45 1 1 1h5.34c-.25.61-.86 1.39-2.34 2h8c-1.48-.61-2.09-1.39-2.34-2H15c.55 0 1-.45 1-1V3c0-.55-.45-1-1-1zm0 9H1V3h14v8z"/></svg>  
 </a>  
  
 <!-- '"` --><!-- </textarea></xmp> --></option></form><form class="inline-form js-update-url-with-hash" action="/jaimyoung/data-science-in-korean/edit/master/template-proto.Rmd" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="authenticity\_token" value="yCiZoUvLNU3T+26Fk02PauDkdYQV1XtbM4BoSlERoWYU34BcwB7OxaZKK44mlKpR1Cc6+lPi7ht+jWlBiJSRAw==" />  
 <button class="btn-octicon tooltipped tooltipped-nw" type="submit"  
 aria-label="Fork this project and edit the file" data-hotkey="e" data-disable-with>  
 <svg class="octicon octicon-pencil" viewBox="0 0 14 16" version="1.1" width="14" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M0 12v3h3l8-8-3-3-8 8zm3 2H1v-2h1v1h1v1zm10.3-9.3L12 6 9 3l1.3-1.3a.996.996 0 0 1 1.41 0l1.59 1.59c.39.39.39 1.02 0 1.41z"/></svg>  
 </button>

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="inline-form" action="/jaimyoung/data-science-in-korean/delete/master/template-proto.Rmd" accept-charset="UTF-8" method="post"><input name="utf8" type="hidden" value="&#x2713;" /><input type="hidden" name="authenticity\_token" value="1OxSFExCAzXWrIPYwa7zwpWhGA51rZlntEZAMa5UolY+KcaJC4xhdKisapRRzo06wJ+Qv3HyAp+L2HzWZmKnNg==" />  
 <button class="btn-octicon btn-octicon-danger tooltipped tooltipped-nw" type="submit"  
 aria-label="Fork this project and delete the file" data-disable-with>  
 <svg class="octicon octicon-trashcan" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M11 2H9c0-.55-.45-1-1-1H5c-.55 0-1 .45-1 1H2c-.55 0-1 .45-1 1v1c0 .55.45 1 1 1v9c0 .55.45 1 1 1h7c.55 0 1-.45 1-1V5c.55 0 1-.45 1-1V3c0-.55-.45-1-1-1zm-1 12H3V5h1v8h1V5h1v8h1V5h1v8h1V5h1v9zm1-10H2V3h9v1z"/></svg>  
 </button>

—

title: "한글 레퍼런스 R 마크다운 템플릿"

author: "권재명"

date: "July 18, 2015"

output: word\_document

—

# 첫째 헤더

## 둘째 헤더

### 셋째 헤더

코드 예:

r</span><span class="pl-s1"></span></td> </tr> <tr> <td id="L13" class="blob-num js-line-number" data-line-number="13"></td> <td id="LC13" class="blob-code blob-code-inner js-file-line"><span class="pl-s1">print(<span class="pl-s"><span class="pl-pds">&quot;</span>문자열<span class="pl-pds">&quot;</span></span>) <span class="pl-c"><span class="pl-c">#</span> 주석</span></span></td> </tr> <tr> <td id="L14" class="blob-num js-line-number" data-line-number="14"></td> <td id="LC14" class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span class="pl-c1">

도표 예:

|우정렬 |좌정렬| 기본 | 중앙정렬 |

|——:|:—–|———|:——:|

| 12 | 12 | 12 | 12 |

| 123 | 123 | 123 | 123 |

| 1 | 1 | 1 | 1 |

: Demonstration of simple table syntax.

불릿 리스트예:

- 첫째

- 둘째

숫자 리스트예:

1. 하나

2. 둘

블록 쿼트 예:

> 데이터 = 신호 + 잡음

>

> – <cite>(출처 분명)</cite>

# R 마크다운 내용

(주: 다음 내용은 R 스튜디오에서 File > New File > R Markdown …

을 선택하면 자동으로 생성되는 내용이다.)

이 화일은 R 마크다운(Markdown) 문서이다.

마크다운은 HTML, PDF, MS 워드(Word) 문서를 작성하기 위한

간단한 포맷팅구문(formatting syntax)이다.

자세한 사항은 <http://rmarkdown.rstudio.com>; 를 참조하자.

문서에서 **니트(Knit, 뜨개질을 하다)** 버튼을 누르면

문서의 내용과 R 코드청크(code chunks)의 결과를 모두 포함하는

문서가 생성된다. R 코드청크는 다음처럼 넣어준다:

{r}</span><span class="pl-s1"></span></td> </tr> <tr> <td id="L58" class="blob-num js-line-number" data-line-number="58"></td> <td id="LC58" class="blob-code blob-code-inner js-file-line"><span class="pl-s1">summary(<span class="pl-smi">cars</span>) <span class="pl-c"><span class="pl-c">#</span> 자동차 데이터의 통계량</span></span></td> </tr> <tr> <td id="L59" class="blob-num js-line-number" data-line-number="59"></td> <td id="LC59" class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span class="pl-c1">

다음처럼 플롯(plot)도 넣을 수 있다:

{r, echo=FALSE}</span><span class="pl-s1"></span></td> </tr> <tr> <td id="L64" class="blob-num js-line-number" data-line-number="64"></td> <td id="LC64" class="blob-code blob-code-inner js-file-line"><span class="pl-s1">plot(<span class="pl-smi">cars</span>) <span class="pl-c"><span class="pl-c">#</span> 자동차 데이터의 분산도</span></span></td> </tr> <tr> <td id="L65" class="blob-num js-line-number" data-line-number="65"></td> <td id="LC65" class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span class="pl-c1">

echo = FALSE 파라메터를 코드청크에 넣어주면 도표를 만드는

R 코드가 출력되지 않는다.

Copy lines

Copy permalink

View git blame

Reference in new issue

Go

<ul class="list-style-none d-flex flex-wrap col-12 col-lg-5 flex-justify-center flex-lg-justify-between mb-2 mb-lg-0">  
 <li class="mr-3 mr-lg-0">&copy; 2019 <span title="0.36982s from unicorn-76599dc975-n4tkf">GitHub</span>, Inc.</li>  
 <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to terms, text:terms" href="https://github.com/site/terms">Terms</a></li>  
 <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to privacy, text:privacy" href="https://github.com/site/privacy">Privacy</a></li>  
 <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to security, text:security" href="https://github.com/security">Security</a></li>  
 <li class="mr-3 mr-lg-0"><a href="https://githubstatus.com/" data-ga-click="Footer, go to status, text:status">Status</a></li>  
 <li><a data-ga-click="Footer, go to help, text:help" href="https://help.github.com">Help</a></li>  
</ul>  
  
<a aria-label="Homepage" title="GitHub" class="footer-octicon d-none d-lg-block mx-lg-4" href="https://github.com">  
 <svg height="24" class="octicon octicon-mark-github" viewBox="0 0 16 16" version="1.1" width="24" aria-hidden="true"><path fill-rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8c0 3.54 2.29 6.53 5.47 7.59.4.07.55-.17.55-.38 0-.19-.01-.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82-1.13-.28-.15-.68-.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87 2.33.66.07-.52.28-.87.51-1.07-1.78-.2-3.64-.89-3.64-3.95 0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12 0 0 .67-.21 2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82 2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87 3.75-3.65 3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0 .21.15.46.55.38A8.013 8.013 0 0 0 16 8c0-4.42-3.58-8-8-8z"/></svg>

Contact GitHub

Pricing

API

Training

Blog

About

<span class="f6 text-gray-light"></span>

<svg class="octicon octicon-alert" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.893 1.5c-.183-.31-.52-.5-.887-.5s-.703.19-.886.5L.138 13.499a.98.98 0 0 0 0 1.001c.193.31.53.501.886.501h13.964c.367 0 .704-.19.877-.5a1.03 1.03 0 0 0 .01-1.002L8.893 1.5zm.133 11.497H6.987v-2.003h2.039v2.003zm0-3.004H6.987V5.987h2.039v4.006z"/></svg>  
<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss error">  
 <svg class="octicon octicon-x" viewBox="0 0 12 16" version="1.1" width="12" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48L7.48 8z"/></svg>  
</button>  
You can’t perform that action at this time.

<svg class="octicon octicon-alert" viewBox="0 0 16 16" version="1.1" width="16" height="16" aria-hidden="true"><path fill-rule="evenodd" d="M8.893 1.5c-.183-.31-.52-.5-.887-.5s-.703.19-.886.5L.138 13.499a.98.98 0 0 0 0 1.001c.193.31.53.501.886.501h13.964c.367 0 .704-.19.877-.5a1.03 1.03 0 0 0 .01-1.002L8.893 1.5zm.133 11.497H6.987v-2.003h2.039v2.003zm0-3.004H6.987V5.987h2.039v4.006z"/></svg>  
<span class="signed-in-tab-flash">You signed in with another tab or window. <a href="">Reload</a> to refresh your session.</span>  
<span class="signed-out-tab-flash">You signed out in another tab or window. <a href="">Reload</a> to refresh your session.</span>