Statistics for Psychologists

John Towse, Tom Beesley

2022-10-07

Contents

Chapter 1

PSYC121

blah

<!DOCTYPE html>

PSYC121_2021-22/01-Week1-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

```
<meta name="google-site-verification" content="c1kuD-K2HIVF635lypcsWPoD4kilo5-jA_wBFyT4uMY">

<meta name="user-login" content="tombeesley">

<meta name="viewport" content="width=device-width">

  <meta name="description" content="Contribute to tombeesley/PSYC121_2021-22 development by creat
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="(
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905" />
  <meta name="twitter:image:src" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f
  <meta property="og:image" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f9f439

<link rel="assets" href="https://github.githubassets.com/">
  <link rel="shared-web-socket" href="wss://alive.github.com/_sockets/u/16871255/ws?session=eyJ2I
  <link rel="shared-web-socket-src" href="/assets-cdn/worker/socket-worker-b87581f5816c.js">


    <meta name="hostname" content="github.com">


  <meta name="keyboard-shortcuts-preference" content="all">
```

```
<script type="application/json" id="memex_keyboard_shortcuts_preference">"all"</scri
```

```
<meta name="expected-hostname" content="github.com">
```

```
<meta name="enabled-features" content="ACTIONS_RUN_NAME,IMAGE_METRIC_TRACKING,GEOJSON_
```

```
<meta data-hydrostats="publish">
```

```
<link rel="canonical" href="https://github.com/tombeesley/PSYC121_2021-22/blob/ff15dfe
```

```
<a href="#start-of-content" class="p-3 color-bg-accent-emphasis color-fg-on-emphasis
<span data-view-component="true" class="progress-pjax-loader Progress position-fixed
<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-
```

```
<script crossorigin="anonymous" defer="defer" type="application/javascript" src="ht
```

```
<header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wr
```

```
<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

```
</div>
```

```
<div class="Header-item d-md-none">
    <button aria-label="Toggle navigation" aria-expanded="false" type="button" data-vie
<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.
```

```
<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-co
    <input type="text"
      class="form-control js-site-search-focus header-search-input jump-to-field js-ju
      data-hotkey=s,/
      name="q"
      data-test-selector="nav-search-input"
      placeholder="Search or jump to…"
      data-unscoped-placeholder="Search or jump to…"
      data-scoped-placeholder="Search or jump to…"
      autocapitalize="off"
      role="combobox"
      aria-haspopup="listbox"
```

```
        aria-expanded="false"
        aria-autocomplete="list"
        aria-controls="jump-to-results"
        aria-label="Search or jump to…"
        data-jump-to-suggestions-path="/_graphql/GetSuggestedNavigationDestinations"
        spellcheck="false"
        autocomplete="off"
    >
    <input type="hidden" value="tarjR4nvSHszogl2x7Dn7LmPf_Jvfq3xLYWCg9Y_uB8cHiWHvnd-b7tTdi6oxLhAw
    <input type="hidden" class="js-site-search-type-field" name="type" >
        <svg xmlns="http://www.w3.org/2000/svg" width="22" height="20" aria-hidden="true" class='


        <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-jump-to-sug


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

No suggested jump to results

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" ve
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposi
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>

  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" ve
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

</div>
```

```
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 col
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he


      </div>
  </label>


  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>
```

```
<div class="Header-item Header-item--full flex-justify-center d-md-none position-relat
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">


<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.235.25A2 2 0
```

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164
```

        Sorry, something went wrong.
      </p>
  </include-fragment>

```
</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this message">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9
```

```
</button>
```

```
  <div>{{ message }}</div>
```

```
<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="/"
        data-scope-types="[&quot;repository&quot;]"
        data-placeholder="Search files"
    ></command-palette-mode>
    <command-palette-mode
      data-char="?"
    ></command-palette-mode>
    <command-palette-mode
      data-char="&gt;"
        data-placeholder="Run a command"
```

```
        ></command-palette-mode>
        <command-palette-mode
          data-char=""
            data-scope-types="[&quot;&quot;]"
            data-placeholder="Search or jump to..."
        ></command-palette-mode>
        <command-palette-mode
          data-char=""
            data-scope-types="[&quot;owner&quot;]"
            data-placeholder="Search or jump to..."
        ></command-palette-mode>
    <command-palette-mode
      class="js-command-palette-default-mode"
      data-char=""
      data-placeholder="Search or jump to..."
    ></command-palette-mode>

    <command-palette-input placeholder="Search or jump to..."

      data-action="
        command-palette-input:command-palette#onInput
        command-palette-select:command-palette#onSelect
        command-palette-descope:command-palette#onDescope
        command-palette-cleared:command-palette#onInputClear
      "
  >
    <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

    </div>
    <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
      <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
        <circle
          cx="8"
          cy="8"
          r="7"
          stroke="currentColor"
          stroke-opacity="0.25"
          stroke-width="2"
          vector-effect="non-scaling-stroke"
        ></circle>
        <path
          d="M15 8a7.002 7.002 0 00-7-7"
          stroke="currentColor"
          stroke-width="2"
```

```
          stroke-linecap="round"
          vector-effect="non-scaling-stroke"
        ></path>
      </svg>
    </div>
    <command-palette-scope >
      <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subt]
          <command-palette-token
            data-text="tombeesley"
            data-id="MDQ6VXNlcjE2ODcxMjU1"
            data-type="owner"
            data-value="tombeesley"
            data-targets="command-palette-scope.tokens"
            class="color-fg-default text-semibold"
            style="white-space:nowrap;line-height:20px;"
            >tombeesley<span class="color-fg-subtle text-normal">  / &nl
          <command-palette-token
            data-text="PSYC121_2021-22"
            data-id="R_kgDOGTyi1A"
            data-type="repository"
            data-value="PSYC121_2021-22"
            data-targets="command-palette-scope.tokens"
            class="color-fg-default text-semibold"
            style="white-space:nowrap;line-height:20px;"
            >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
    </command-palette-scope>
    <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-not
      <div class="command-palette-typeahead position-absolute d-flex flex-items-center
        <span class="typeahead-segment input-mirror" data-target="command-palette-input
        <span class="Truncate-text" data-target="command-palette-input.typeaheadText">-
        <span class="typeahead-segment" data-target="command-palette-input.typeaheadPla
      </div>
      <input
        class="js-overlay-input typeahead-input d-none"
        disabled
        tabindex="-1"
        aria-label="Hidden input for typeahead"
      >
      <input
        type="text"
        autocomplete="off"
        autocorrect="off"
        autocapitalize="off"
        spellcheck="false"
        class="js-input typeahead-input form-control border-0 box-shadow-none input-blo
        aria-label="Command palette input"
```

```
          aria-haspopup="listbox"
          aria-expanded="false"
          aria-autocomplete="list"
          aria-controls="command-palette-page-stack"
          role="combobox"
          data-action="
            input:command-palette-input#onInput
            keydown:command-palette-input#onKeydown
          "
      >
    </div>
      <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input#onClear ke
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM6.03 4.97a.
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
```

```
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search discussions
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">!</kbd> to search projects
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
```

```
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search teams
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search people and organizations
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
```

```
        Go to your accessibility settings to change your keyboard shortcuts
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type author:@me to search your content
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
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  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:pr to filter to pull requests
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:issue to filter to issues
```

```
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:project to filter to projects
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:open to filter to open content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
  <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" data-scope-
    <div>
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<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

    </div>
    <div class="px-2">
      We've encountered an error and some results aren't available at this time. Type a new sea
    </div>
  </command-palette-tip>
```

```
<command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-
  No results matched your search
</command-palette-tip>

<div hidden>

    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
      <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
      <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
      <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
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    </div>
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    </div>
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      <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
      <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
      <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="m
      <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
    </div>
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      <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0 1
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
      <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0 1
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="i
      <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
      <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
```

```
    <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sun-color-f
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sync-color-
  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16 16" versic
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="trash-color
  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16 16" versi
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="key-color-f
  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="comment-dis
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-color-
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16 16" versic
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-slash-
  <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
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  <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
  data-group-id="top"
  data-group-title="Top result"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="0"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&quot;pull_re
  data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
```

```
                  data-group-hint="Type &gt; to filter"
                  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;dis
                  data-default-priority="2"
                >
                </command-palette-item-group>
                <command-palette-item-group
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                  data-group-title="This Page"
                  data-group-hint=""
                  data-group-limits="{}"
                  data-default-priority="3"
                >
                </command-palette-item-group>
                <command-palette-item-group
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                  data-group-title="Files"
                  data-group-hint=""
                  data-group-limits="{}"
                  data-default-priority="4"
                >
                </command-palette-item-group>
                <command-palette-item-group
                  data-group-id="default"
                  data-group-title="Default"
                  data-group-hint=""
                  data-group-limits="{&quot;static_items_page&quot;:50}"
                  data-default-priority="5"
                >
                </command-palette-item-group>
                <command-palette-item-group
                  data-group-id="pages"
                  data-group-title="Pages"
                  data-group-hint=""
                  data-group-limits="{&quot;repository&quot;:10}"
                  data-default-priority="6"
                >
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                <command-palette-item-group
                  data-group-id="access_policies"
                  data-group-title="Access Policies"
                  data-group-hint=""
                  data-group-limits="{}"
                  data-default-priority="7"
                >
                </command-palette-item-group>
                <command-palette-item-group
```

```
    data-group-id="organizations"
    data-group-title="Organizations"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
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    data-group-title="Repositories"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="references"
    data-group-title="Issues, pull requests, and discussions"
    data-group-hint="Type # to filter"
    data-group-limits="{}"
    data-default-priority="10"
>
</command-palette-item-group>
<command-palette-item-group
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    data-group-title="Teams"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="11"
>
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<command-palette-item-group
    data-group-id="users"
    data-group-title="Users"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="12"
>
</command-palette-item-group>
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    data-group-title="Projects"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="13"
>
```

```
      </command-palette-item-group>
      <command-palette-item-group
        data-group-id="footer"
        data-group-title="Footer"
        data-group-hint=""
        data-group-limits="{}"
        data-default-priority="14"
      >
      </command-palette-item-group>
      <command-palette-item-group
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        data-group-title="Modes"
        data-group-hint=""
        data-group-limits="{}"
        data-default-priority="15"
      >
      </command-palette-item-group>
      <command-palette-item-group
        data-group-id="filters_help"
        data-group-title="Use filters in issues, pull requests, discussions, and proj
        data-group-hint=""
        data-group-limits="{}"
        data-default-priority="16"
      >
      </command-palette-item-group>

      <command-palette-page
        data-page-title="tombeesley"
        data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
        data-scope-type="owner"
        data-targets="command-palette-page-stack.defaultPages"
        hidden
      >
      </command-palette-page>
      <command-palette-page
        data-page-title="PSYC121_2021-22"
        data-scope-id="R_kgDOGTyi1A"
        data-scope-type="repository"
        data-targets="command-palette-page-stack.defaultPages"
        hidden
      >
      </command-palette-page>
    </div>

    <command-palette-page data-is-root>
    </command-palette-page>
```

```
    <command-palette-page
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      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
    >
    </command-palette-page>
    <command-palette-page
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      data-scope-id="R_kgDOGTyi1A"
      data-scope-type="repository"
    >
    </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serverDefinedPr
<server-defined-provider data-type="help" data-targets="command-palette.serverDefinedProviderEl
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="@"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>organizations, r
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">@</kbd>
        </span>
    </command-palette-help>
```

```
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>proje
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
```

```
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
  <span data-target="command-palette-help.titleElement">Filter to issues</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:project</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:open"
>
  <span data-target="command-palette-help.titleElement">Filter to open issues, pull request
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:open</kbd>
```

```
            </span>
        </command-palette-help>
    </server-defined-provider>

    <server-defined-provider
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      data-fetch-debounce="0"
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        data-supports-commands

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="prefetched"
      data-fetch-debounce="0"
        data-src="/command_palette/jump_to_page_navigation"
      data-supported-modes="[&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&qu

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/issues"
      data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/jump_to"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/jump_to_members_only"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"
```

```
    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/recent_issues"
  data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&quot;]"
```

```
        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/teams"
      data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;owner&quot;]"

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/name_with_owner_repository"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
</command-palette>

<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.14

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

</span>
<span class="Toast-content"></span>
```

```
<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0A8 8 0 010

</span>
<span class="Toast-content"></span>

    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```

```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">

    <div class="flex-auto min-width-0 width-fit mr-3">

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users/tombeesley
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-frame" href="/
</strong>

<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>
```

```
    </div>

        <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2p

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-chars
    <button title="Pin this repository to your profile" type="submit" data-view-compone
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.5041.613 1.327a3.081 3.081

Pin

    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&qu
        <span


          data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

          Unwatch
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55

          Stop ignoring
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.watchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

          Watch
        </span>
      </span>
        <span id="repo-notifications-counter" data-target="notifications-list-subscript
        <span class="dropdown-caret"></span>
```

```
    <details-menu
      class="SelectMenu  "
      role="menu"
      data-target="notifications-list-subscription-form.menu"


    >
      <div class="SelectMenu-modal notifications-component-menu-modal">
        <header class="SelectMenu-header">
          <h3 class="SelectMenu-title">Notifications</h3>
          <button class="SelectMenu-closeButton" type="button" aria-label="Close menu" data-actio
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9


          </button>
        </header>

        <div class="SelectMenu-list">
          <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

            <input type="hidden" name="repository_id" value="423404244">

            <button
              type="submit"
              name="do"
              value="included"
              class="SelectMenu-item flex-items-start"
              role="menuitemradio"
              aria-checked="false"
              data-targets="notifications-list-subscription-form.subscriptionButtons"

            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2


              </span>
              <div>
                <div class="f5 text-bold">
                  Participating and @mentions
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Only receive notifications from this repository when participating or @mentione
                </div>
              </div>
            </button>
```

```
<button
  type="submit"
  name="do"
  value="subscribed"
  class="SelectMenu-item flex-items-start"
  role="menuitemradio"
  aria-checked="true"
  data-targets="notifications-list-subscription-form.subscriptionButtons"
>
  <span class="f5">
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

  </span>
  <div>
    <div class="f5 text-bold">
      All Activity
    </div>
    <div class="text-small color-fg-muted text-normal pb-1">
      Notified of all notifications on this repository.
    </div>
  </div>
</button>

<button
  type="submit"
  name="do"
  value="ignore"
  class="SelectMenu-item flex-items-start"
  role="menuitemradio"
  aria-checked="false"
  data-targets="notifications-list-subscription-form.subscriptionButtons"
>
  <span class="f5">
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

  </span>
  <div>
    <div class="f5 text-bold">
      Ignore
    </div>
    <div class="text-small color-fg-muted text-normal pb-1">
      Never be notified.
```

```
          </div>
        </div>
      </button>

    <button
      class="SelectMenu-item flex-items-start pr-3"
      type="button"
      role="menuitemradio"
      data-target="notifications-list-subscription-form.customButton"
      data-action="click:notifications-list-subscription-form#openCustomDialog"
      aria-haspopup="true"
      aria-checked="false"

    >
      <span class="f5">
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

      </span>
      <div>
        <div class="d-flex flex-items-start flex-justify-between">
          <div class="f5 text-bold">Custom</div>
          <div class="f5 pr-1">
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

          </div>
        </div>
        <div class="text-small color-fg-muted text-normal pb-1">
          Select events you want to be notified of in addition to participating and @mentio
        </div>
      </div>
    </button>

    <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
      <span class="f5">
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.75h8.5A1.75

      </span>
      <span className="text-small color-fg-muted text-normal pb-1">
        Get push notifications on <a target="_blank" rel="noopener noreferrer" href="http
      </span>
    </div>
</div>
```

```
      </div>
    </details-menu>

    <details-dialog
      class="notifications-component-dialog "
      data-target="notifications-list-subscription-form.customDialog"
      aria-label="Custom dialog"
      hidden
    >
      <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visibl
        <form data-target="notifications-list-subscription-form.customform" data-action

          <input type="hidden" name="repository_id" value="423404244">

          <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3"
            <h1 class="f3 SelectMenu-title d-inline-flex">
              <button
                class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                aria-label="Return to menu"
                type="button"
                data-action="click:notifications-list-subscription-form#closeCustomDial
              >
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06

              </button>
              Custom
            </h1>
          </header>

          <header class="d-none d-sm-flex flex-items-start pt-1">
            <button
              class="border-0 px-2 pt-1 m-0 Link--secondary f5"
              style="background-color: transparent;"
              aria-label="Return to menu"
              type="button"
              data-action="click:notifications-list-subscription-form#closeCustomDialog
            >
              <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06

            </button>

            <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
              Custom
```

```
      </h1>
  </header>

<fieldset>
  <legend>
    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-bottom mb-
      Select events you want to be notified of in addition to participating and @mentic
    </div>
  </legend>
  <div data-target="notifications-list-subscription-form.labelInputs">
  </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Issues
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="PullRequest"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Pull requests
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
```

```
              value="Release"
              data-targets="notifications-list-subscription-form.threadTypeCheck
              data-action="change:notifications-list-subscription-form#threadType

          >
          Releases
        </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="Discussion"
      data-targets="notifications-list-subscription-form.threadTypeCheck
      data-action="change:notifications-list-subscription-form#threadType

        aria-describedby="Discussion-disabled"
        aria-disabled="true"
    >
    Discussions
  </label>

    <div
      id="Discussion-disabled"
      class="color-fg-muted"
      >
      Discussions are not enabled for this repository
    </div>

</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="SecurityAlert"
      data-targets="notifications-list-subscription-form.threadTypeCheck
      data-action="change:notifications-list-subscription-form#threadType

    >
    Security alerts
  </label>
```

```
                </div>
            </fieldset>
            <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                <button name="do" value="custom" data-target="notifications-list-subscription-form.

                <button data-action="click:notifications-list-subscription-form#resetForm" data-clo

            </div>

        </details-dialog>


        <div class="notifications-component-dialog-overlay"></div>
    </details>
</notifications-list-subscription-form>


    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1

Fork 0

    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-002101"
    class="d-flex flex-column flex-1 overflow-hidden"

    <div class="SelectMenu-list"

    >

            <include-fragment class="SelectMenu-loading" aria-label="Loading">
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig

<h2 class="Box-title">Unstar this repository?</h2>

<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been added to.
</p>
```

```
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="

<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-targe
    <input type="hidden" value="XXeHoTojo2BNOE5djstQYwO3fftH95DZOw7W5Jq65OPl5Ba0HhInW-
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.41l1.882 3.815 4.21.612a.75.75 0 0
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" ac
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.41l1.882 3.815 4.21.612a.75.75 0 0
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

      </button>
  <div
    id="filter-menu-a67901"
    class="d-flex flex-column flex-1 overflow-hidden"

     <div class="SelectMenu-list"

      >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widt

  </div>

    <div id="responsive-meta-container" data-turbo-replace>

      <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-compon
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0 11-1.06 1.
```

```
  <span data-content="Code">Code</span>
      <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M8 0a8 8 0
```

```
  <span data-content="Issues">Issues</span>
      <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hidde
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 01-.427.177
```

```
  <span data-content="Pull requests">Pull requests</span>
      <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00
```

```
  <span data-content="Actions">Actions</span>
      <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75
```

```
  <span data-content="Projects">Projects</span>
      <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hid
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744
```

```
  <span data-content="Wiki">Wiki</span>
      <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 0115 3.48V7c0
```

```
  <span data-content="Security">Security</span>
      <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept="text/fra
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a

  <span data-content="Insights">Insights</span>
        <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137

  <span data-content="Settings">Settings</span>
        <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

            <span class="sr-only">More</span>
        </div>

        <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdow

            <ul>
                <li data-menu-item="i0code-tab" hidden>
                  <a role="menuitem" class="js-selected-navigation-item selected dropdown-
                    Code

                <li data-menu-item="i1issues-tab" hidden>
                  <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                    Issues

                <li data-menu-item="i2pull-requests-tab" hidden>
                  <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                    Pull requests

                <li data-menu-item="i3actions-tab" hidden>
                  <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                    Actions

                <li data-menu-item="i4projects-tab" hidden>
                  <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                    Projects
```

```
            <li data-menu-item="i5wiki-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Wiki

            <li data-menu-item="i6security-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Security

            <li data-menu-item="i7insights-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Insights

            <li data-menu-item="i8settings-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Settings

        </ul>

  <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
      <input data-target="input-demux.source"
             id="context-commitish-filter-field"
             class="SelectMenu-input form-control"
             aria-owns="ref-list-branches"
             data-controls-ref-menu-id="ref-list-branches"
             autofocus
             autocomplete="off"
             aria-label="Find or create a branch…"
             placeholder="Find or create a branch…"
```

```
                    type="text"
          >
        </div>

        <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
          <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Bran
          <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
        </div>

        <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create
          <ref-selector
            type="branch"
            data-targets="input-demux.sinks"
            data-action="
              input-entered:ref-selector#inputEntered
              tab-selected:ref-selector#tabSelected
              focus-list:ref-selector#focusFirstListMember
            "
            query-endpoint="/tombeesley/PSYC121_2021-22/refs"
            can-create
            cache-key="v0:1635758695.249855"
            current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
            default-branch="bWFpbg=="
            name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
            prefetch-on-mouseover
          >

            <template data-target="ref-selector.fetchFailedTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
            </template>

            <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"   value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDEtV2VlazEtYW5hbHlzaXMuUm1k">

  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payloa
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.2
```

```
      <div>
        <span class="text-bold">Create branch: {{ refName }}</span>
        <span class="color-fg-muted">from 'ff15dfe'</span>
      </div>
    </button>

          <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list " data-p
            <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
              <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

          </div>

            <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branches">View a
      </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden c
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
      >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags</div>
        </template>

        <template data-target="ref-selector.noMatchTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div>
        </template>

          <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wi


    </div>
          <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">
      </ref-selector>
    </div>
  </tab-container>
</input-demux>
```

PSYC121_2021-22/01-Week1-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da


  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;eve
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>


    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-c
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>


    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy pat


      Copy path


    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy per


      <span class="d-flex flex-items-baseline">
        <span class="flex-auto">Copy permalink</span>
      </span>


  </ul>
```

```
<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

  <div class="overflow-hidden">This commit does not belong to any branch on this repository, and

<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433583dee0cf6

<div class="Box d-flex flex-column flex-shrink-0 mb-3">

  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style="width:24p
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>

<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>

<div data-target="readme-toc.content" class="Box mt-3 position-relative">


  130 lines (76 sloc)
  <span class="file-info-divider"></span>
8.26 KB

<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/01-Week1-ar
```

Blame

```
<div class="d-flex">


  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action="/tombeesl
          <button disabled="disabled" title="You must be on a branch to make or propose changes t
          <div class="color-fg-muted">E</div>

        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-link" data-dr
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
      <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw"
        aria-label="You must be on a branch to make or propose changes to this file" ty
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1


      </button>
</div>


<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
      data-test-selector="small-screen-more-options"
      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm


    </summary>

    <ul class="dropdown-menu dropdown-menu-sw" style="width: 175px">
        <li>
        </li>
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b84335
          View raw
        </a>
      </li>
        <li>
          <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_2
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw
contents

```
        <li>
          <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8
            View blame
          </a>
        </li>
```

```
    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-0">


<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled differently t
   <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectional Unicode
</span>


    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">   Show hidde
```

—

output:

html_document: default

pdf_document: default

—

Week 1: Introduction to Statistics with R Studio

> Written by John Towse & Tom Beesley

The exercises in this section are designed to familiarise you with working in R Studio.

Lab Work

Introducing R Studio

R and R Studio is the software that we will be using to explore and learn about analysis in your Psychology degree. It's a computational engine: a very snazzy calculator that you should see as your friend and ally in the journey to understand and appreciate psychology. It sits *alongside* what we teach about the concepts and interpretation of statistical analysis.

R is the core software, R Studio is the interface for interacting with it. Put another way, *R is the engine, R Studio is the cockpit.*

Like even a simplest calculator, it just does what you ask (at least when you ask nicely!) but it requires the user to know what they want from it and to understand what it is telling you. A calculator can't help a kid get the right answer to a multiplication problem if they don't know the difference between multiplication and division and addition etc. And whilst a calculator is brilliant at doing the number crunching (and as a bonus, R Studio can help with turning the numbers into beautiful graphs and images too), even a calculator requires

a thoughtful person to take the answers and make sensible interpretations from them.

Therefore, we need to learn both about the concepts of statistical analysis on the one hand, and the processing of statistical information -through R- on the other. The lectures will provide the starting point and the direction for statistical concepts, whilst these analysis labs provide the more practical experiences in how to use R, and how to R your ally. Over the next year, in these labs we will increasingly be using R Studio to focus on the latter, processing side, which will allow you to focus your energies on the conceptual side and its relevance for appreciating psychology.

Getting started with R Studio {#getting_started}

For Lancaster University Psychology Students in 2021, we will be learning about R Studio through a simple but powerful web server architecture. That is, through the power of the internet, you can access and use R Studio by logging into a free account that we have provided and we will maintain for your use.

> Here's a little secret: There are several different ways to access R Studio. For example, you can download a copy of the software onto your computer, or use a Virtual Machine set up to run a copy. There's nothing to stop you having your local copy, but please note - we can't support your own version through lab classes

So why are we using an R Studio web server?

- Uniformity of experience. It doesn't matter whether you have a PC, a Mac, a Chromebook or whatever. The server provides a consistent, uniform experience. That also means we can spend more time helping you master the software, rather than translating between versions on different platforms

- Ubiquity of experience. There are **lots** of computers on campus. There are computer rooms, there are pods in the learning centre, there are bookable laptops in the Levy Lab, and so on. Providing a web interface from a browser, means you can practice R from all the different machines. Your not limited to a particular copy on a single machine.

- Consistency of performance. Since everyone logs into the same installation of R Studio, we can ensure that things work the way we expect. This allows staff to focus on teaching you the key issues, without worrying about software conflicts because different machines have different configurations, or different versions with different features etc. We'll have more time to focus on the important stuff!

- Quality of performance. Some installations of R Studio and some commercial versions of the server are set up, well, to be the basic version rather than the premium version. To draw a papelle: do you want to have to put up with the cheap, low-bandwidth broadband package? We've got control of the server set up, so we'll try and make this the most effective way to do this.

We've moved to the R Studio server approach this year. We've tried hard to set it up to work well- Apologies in advance for any teething issues, we will try to resolve them as quickly as possible.

You will have received an email with your account information to log onto the R Studio server. Please keep your account details safe.

From a computer on the campus wifi, you can access R Studio at:

psy-rstudio.lancaster.ac.uk (off campus, you will need to be on the VPN)

At the login screen, use your university username (e.g., bloggsj)

Your password for R Studio is: [password here]

What does it look like?
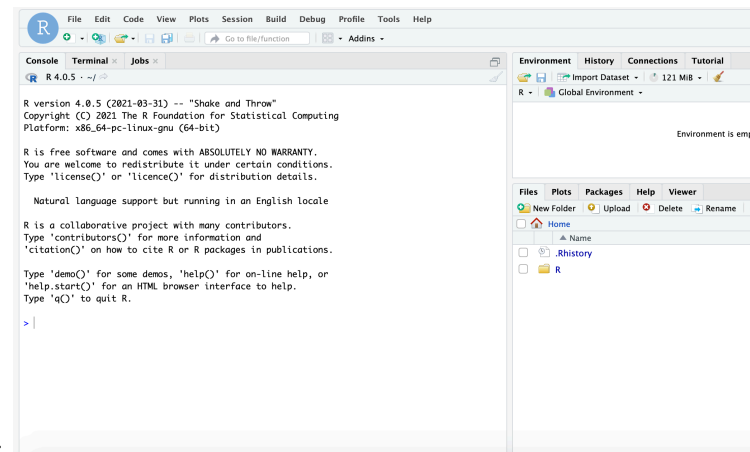
When RStudio starts, it will look something like this:

RStudio has three panels or windows: there are tabs for Console (taking up the left hand side), Environment (and History top right) , Current file (bottom right). You will also see a 4th window for a script or set of commands you develop, also (on the left hand side).

Let's do something!

In the console window on the left hand side, there's a command prompt ">". This is where we ask RStudio to do our bidding!

1. Click in the console window and we will get R to work as a calculator. Type in:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L65" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="65"></td>          <td id="LC65"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-c1">5</span> <span class="pl-k">+</span> <span class="pl-c1">5</span></span></td>
</tr>          <tr>          <td id="L66" class="blob-num js-line-number
```

```
js-code-nav-line-number js-blob-rnum" data-line-number="66"></td>
<td id="LC66" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

and press enter. You should get the answer (amazing huh? OK, maybe not *that* amazing...). Use your imagination – ask a simple arithmetic question of your own choosing!

2. In the first analysis lecture, we looked at measures of central tendency and how to calculate them. So let's get R to do these calculations also!

First, we tell R about the data from the lecture. Copy the following line and paste it into the console, then press enter to run it:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>            </tr>
<tr>            <td id="L75" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="75"></td>            <td id="LC75"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">PSYC121_week_1_data</span> <span class="pl-k">&lt;-</span>
c(<span class="pl-c1">7</span>,<span class="pl-c1">8</span>,<span
class="pl-c1">8</span>,<span class="pl-c1">7</span>,<span class="pl-c1">3</span>,<span
class="pl-c1">1</span>,<span class="pl-c1">6</span>,<span class="pl-c1">9</span>,<span
class="pl-c1">3</span>,<span class="pl-c1">8</span>)</span></td>
</tr>            <tr>            <td id="L76" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="76"></td>
<td id="LC76" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

This creates an "object" called `Analysis_week1_data`. We can then perform calculations on this object. For example, we can find the mean by using the following command (again, copy and paste)

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>            </tr>
<tr>            <td id="L81" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="81"></td>            <td id="LC81"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">mean(<span
class="pl-smi">PSYC121_week_1_data</span>)</span></td>            </tr>
<tr>            <td id="L82" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="82"></td>            <td id="LC82"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

Check the answer is the same we found in the lecture (it should be 6!).

Next, let's ask for the median:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>            </tr>
<tr>            <td id="L89" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="89"></td>            <td id="LC89"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">median(<span
```

```
class="pl-smi">PSYC121_week_1_data</span>)</span></td>          </tr>
<tr>          <td id="L90" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="90"></td>          <td id="LC90"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

This also should be the answer from the lecture (7)

R doesn't have a single corresponding command for the *mode*, but we can use this series of commands:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L97" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="97"></td>          <td id="LC97"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">getmode</span> <span class="pl-k">&lt;-</span>
</span></td>          </tr>          <tr>          <td id="L98"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
data-line-number="98"></td>          <td id="LC98" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  <span class="pl-k">function</span>(<span
class="pl-smi">PSYC121_week_1_dataa</span>) {</span></td>          </tr>
<tr>          <td id="L99" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="99"></td>          <td id="LC99"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
<span class="pl-smi">uniqv</span> <span class="pl-k">&lt;-</span>
unique(<span class="pl-smi">PSYC121_week_1_data</span>)</span></td>
</tr>          <tr>          <td id="L100" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="100"></td>
<td id="LC100" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">    <span class="pl-smi">uniqv</span>[which.max(tabulate(match(<span
class="pl-smi">PSYC121_week_1_data</span>, <span class="pl-smi">uniqv</span>)))]</span></td>
</tr>          <tr>          <td id="L101" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="101"></td>
<td id="LC101" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">  }</span></td>          </tr>          <tr>          <td
id="L102" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="102"></td>          <td id="LC102"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>          <tr>          <td id="L103" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="103"></td>
<td id="LC103" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">getmode(<span class="pl-smi">PSYC121_week_1_data</span>)</span></td>
</tr>          <tr>          <td id="L104" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="104"></td>
<td id="LC104" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

This is just a bit of clever jiggery-pokery that gets the mode.

Extra content

The commands above are designed to show you that with RStudio active, you can get quick and accurate answers to material covered in PSYC121 lectures.

All we have asked is that you write (or copy in) text to get the information. However, after the lab, you could play around with RStudio in your own time and think about the following:

In R, ”<-” is the assignment operator as in the command we used:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>             </tr>
<tr>            <td id="L117" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="117"></td>
<td id="LC117" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-smi">PSYC121_week_1_data</span>
<span class="pl-k">&lt;-</span> c(<span class="pl-c1">7</span>,<span
class="pl-c1">8</span>,<span class="pl-c1">8</span>,<span class="pl-c1">7</span>,<span
class="pl-c1">3</span>,<span class="pl-c1">1</span>,<span class="pl-c1">6</span>,<span
class="pl-c1">9</span>,<span class="pl-c1">3</span>,<span class="pl-c1">8</span>)</span
</tr>            <tr>            <td id="L118" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="118"></td>
<td id="LC118" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

We create the variable label on the left (`Analysis_week1_data`) and we give it those number on the right. The name `Analysis_week1_data` is largely arbitrary: try use a variable of your own naming (your own name?) instead - and then use that alternative name for the other commands.

———————————————————————————————

Throughout this year, we'll use the convention of the "underscore" to separate words in labels (it_makes_them_easier_to_read than ifyoudidn'thaveanyspaces)

———————————————————————————————

What does that tell you about the text used to get the mode? Can you figure out what each line does?

Also, once you have created a variable, you can check what the variable comprises by calling it at the command line. Just write its name, and R will respond with all the data points (all the X values it knows about). Take note that, as you write the variable label, R studio should offer to "auto-complete" the name. It only does that if it you have defined the variable, or are writing a known command.

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>

</div>
```

Go

```
</main>

        <footer class="footer width-full container-xl p-responsive">
```

Footer

```
<div class="list-style-none d-flex flex-wrap col-0 col-lg-2 flex-justify-start flex-lg-justify-be
  <div class="mt-2 mt-lg-0 d-flex flex-items-center">
    <a aria-label="Homepage" title="GitHub" class="footer-octicon mr-2" href="https://github.com'
      <svg aria-hidden="true" height="24" viewBox="0 0 16 16" version="1.1" width="24" data-view-
<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
```

© 2022 GitHub, Inc.

```
</div>

<nav aria-label='footer' class="col-12 col-lg-8">
  <h3 class='sr-only' id='sr-footer-heading'>Footer navigation</h3>
  <ul class="list-style-none d-flex flex-wrap col-12 flex-justify-center flex-lg-justify-between
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/github-term
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/github-priv
      <li class="mr-3 mr-lg-0"><a data-analytics-event="{&quot;category&quot;:&quot;Footer&quot;,
      <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-event="{&qu
      <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to help, text:Docs" href="https://doc
      <li class="mr-3 mr-lg-0"><a href="https://support.github.com?tags=dotcom-footer" data-analy
      <li class="mr-3 mr-lg-0"><a href="https://github.com/pricing" data-analytics-event="{&quot;
    <li class="mr-3 mr-lg-0"><a href="https://docs.github.com" data-analytics-event="{&quot;categ
    <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event="{&quot;c
      <li class="mr-3 mr-lg-0"><a href="https://github.blog" data-analytics-event="{&quot;categor
      <li><a data-ga-click="Footer, go to about, text:about" href="https://github.com/about">Abou
  </ul>
</nav>

<span class="f6 color-fg-muted"></span>
```

```
<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss er
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>
You can't perform that action at this time.

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

<span class="js-stale-session-flash-signed-in" hidden>You signed in with another tab or
<span class="js-stale-session-flash-signed-out" hidden>You signed out in another tab or

<template id="site-details-dialog">

<div class="Popover js-hovercard-content position-absolute" style="display: none; outli

<template id="snippet-clipboard-copy-button">

<clipboard-copy aria-label="Copy" class="ClipboardButton btn js-clipboard-copy m-2 p-0
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M0 6.75C0 5.784.784 5 1.75 5h1.5a.75.75 0 010 1.5h-1.5a.25

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

</clipboard-copy>

<style>
  .user-mention[href$="/tombeesley"] {
    color: var(--color-user-mention-fg);
    background-color: var(--color-user-mention-bg);
    border-radius: 2px;
    margin-left: -2px;
    margin-right: -2px;
    padding: 0 2px;
  }
</style>
```

<!DOCTYPE html>

PSYC121_2021-22/02-Week2-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

<meta name="google-site-verification" content="c1kuD-K2HIVF635lypcsWPoD4kilo5-jA_wBFyT4uMY">

<meta name="user-login" content="tombeesley">

<meta name="viewport" content="width=device-width">

  <meta name="description" content="Contribute to tombeesley/PSYC121_2021-22 development by creat
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="(
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905" />
  <meta name="twitter:image:src" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f
  <meta property="og:image" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f9f439

<link rel="assets" href="https://github.githubassets.com/">
  <link rel="shared-web-socket" href="wss://alive.github.com/_sockets/u/16871255/ws?session=eyJ2I
  <link rel="shared-web-socket-src" href="/assets-cdn/worker/socket-worker-b87581f5816c.js">

    <meta name="hostname" content="github.com">

  <meta name="keyboard-shortcuts-preference" content="all">
  <script type="application/json" id="memex_keyboard_shortcuts_preference">"all"</script>

    <meta name="expected-hostname" content="github.com">

<meta name="enabled-features" content="ACTIONS_RUN_NAME,IMAGE_METRIC_TRACKING,GEOJSON_AZURE_MAPS,

    <meta data-hydrostats="publish">

<link rel="canonical" href="https://github.com/tombeesley/PSYC121_2021-22/blob/ff15dfed06b8433583

  <a href="#start-of-content" class="p-3 color-bg-accent-emphasis color-fg-on-emphasis show-on-fo
  <span data-view-component="true" class="progress-pjax-loader Progress position-fixed width-full
<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-loader-bar

    <script crossorigin="anonymous" defer="defer" type="application/javascript" src="https://gith

```
            <header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wr

<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item d-md-none">
    <button aria-label="Toggle navigation" aria-expanded="false" type="button" data-vi
<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.7

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form"
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-co
    <input type="text"
      class="form-control js-site-search-focus header-search-input jump-to-field js-ju
      data-hotkey=s,/
      name="q"
      data-test-selector="nav-search-input"
      placeholder="Search or jump to…"
      data-unscoped-placeholder="Search or jump to…"
      data-scoped-placeholder="Search or jump to…"
      autocapitalize="off"
      role="combobox"
      aria-haspopup="listbox"
      aria-expanded="false"
      aria-autocomplete="list"
      aria-controls="jump-to-results"
      aria-label="Search or jump to…"
      data-jump-to-suggestions-path="/_graphql/GetSuggestedNavigationDestinations"
      spellcheck="false"
      autocomplete="off"
    >
    <input type="hidden" value="R3fHxvmq3MfAi3xZxzwQtcsZlBnkFasNMTiGjDLBVETuwwEGzjLq00
    <input type="hidden" class="js-site-search-type-field" name="type" >
        <svg xmlns="http://www.w3.org/2000/svg" width="22" height="20" aria-hidden="tr


        <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 1
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

No suggested jump to results

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
```

```
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 1
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7


  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h


  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" ve
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-


</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  Jump to
```

```
    <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>

    <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

    <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

    <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" height="32"

      </div>
  </label>

  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-self-auto"
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-white-fade
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>
```

```
<div class="Header-item Header-item--full flex-justify-center d-md-none position-relat
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

```
</div>
```

```
<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">
```

```
<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.2
```

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164


      Sorry, something went wrong.
    </p>
  </include-fragment>

</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this message">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</button>

  <div>{{ message }}</div>

<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
```

```
    data-char="!"
      data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-placeholder="Search projects"
  ></command-palette-mode>
  <command-palette-mode
    data-char="@"
      data-scope-types="[&quot;&quot;]"
      data-placeholder="Search or jump to a user, organization, or repository"
  ></command-palette-mode>
  <command-palette-mode
    data-char="@"
      data-scope-types="[&quot;owner&quot;]"
      data-placeholder="Search or jump to a repository"
  ></command-palette-mode>
  <command-palette-mode
    data-char="/"
      data-scope-types="[&quot;repository&quot;]"
      data-placeholder="Search files"
  ></command-palette-mode>
  <command-palette-mode
    data-char="?"
  ></command-palette-mode>
  <command-palette-mode
    data-char="&gt;"
      data-placeholder="Run a command"
  ></command-palette-mode>
  <command-palette-mode
    data-char=""
      data-scope-types="[&quot;&quot;]"
      data-placeholder="Search or jump to..."
  ></command-palette-mode>
  <command-palette-mode
    data-char=""
      data-scope-types="[&quot;owner&quot;]"
      data-placeholder="Search or jump to..."
  ></command-palette-mode>
<command-palette-mode
  class="js-command-palette-default-mode"
  data-char=""
  data-placeholder="Search or jump to..."
></command-palette-mode>

<command-palette-input placeholder="Search or jump to..."

  data-action="
    command-palette-input:command-palette#onInput
```

```
          command-palette-select:command-palette#onSelect
          command-palette-descope:command-palette#onDescope
          command-palette-cleared:command-palette#onInputClear
        "
    >
      <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

      </div>
      <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
        <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
          <circle
            cx="8"
            cy="8"
            r="7"
            stroke="currentColor"
            stroke-opacity="0.25"
            stroke-width="2"
            vector-effect="non-scaling-stroke"
          ></circle>
          <path
            d="M15 8a7.002 7.002 0 00-7-7"
            stroke="currentColor"
            stroke-width="2"
            stroke-linecap="round"
            vector-effect="non-scaling-stroke"
          ></path>
        </svg>
      </div>
      <command-palette-scope >
        <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtle">/ 
            <command-palette-token
              data-text="tombeesley"
              data-id="MDQ6VXNlcjE2ODcxMjU1"
              data-type="owner"
              data-value="tombeesley"
              data-targets="command-palette-scope.tokens"
              class="color-fg-default text-semibold"
              style="white-space:nowrap;line-height:20px;"
              >tombeesley<span class="color-fg-subtle text-normal">  /  </span>
            <command-palette-token
              data-text="PSYC121_2021-22"
              data-id="R_kgDOGTyi1A"
              data-type="repository"
              data-value="PSYC121_2021-22"
```

```
                    data-targets="command-palette-scope.tokens"
                    class="color-fg-default text-semibold"
                    style="white-space:nowrap;line-height:20px;"
                    >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
    </command-palette-scope>
    <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-no
      <div class="command-palette-typeahead position-absolute d-flex flex-items-center
        <span class="typeahead-segment input-mirror" data-target="command-palette-inpu
        <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
        <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
      </div>
      <input
        class="js-overlay-input typeahead-input d-none"
        disabled
        tabindex="-1"
        aria-label="Hidden input for typeahead"
      >
      <input
        type="text"
        autocomplete="off"
        autocorrect="off"
        autocapitalize="off"
        spellcheck="false"
        class="js-input typeahead-input form-control border-0 box-shadow-none input-bl
        aria-label="Command palette input"
        aria-haspopup="listbox"
        aria-expanded="false"
        aria-autocomplete="list"
        aria-controls="command-palette-page-stack"
        role="combobox"
        data-action="
          input:command-palette-input#onInput
          keydown:command-palette-input#onKeydown
        "
      >
    </div>
      <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
```

```
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
>
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        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">#</kbd> to search pull requests
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">#</kbd> to search issues
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">#</kbd> to search discussions
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
```

```
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">!</kbd> to search projects
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">@</kbd> to search teams
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">@</kbd> to search people and organizations
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
```

```
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type author:@me to search your content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
```

```
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:pr to filter to pull requests
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:issue to filter to issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:project to filter to projects
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
```

```
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:open to filter to open content
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" data-scope-
  <div>
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

  </div>
  <div class="px-2">
    We've encountered an error and some results aren't available at this time. Type a new sea
  </div>
</command-palette-tip>
<command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-scope-type
  No results matched your search
</command-palette-tip>

<div hidden>

    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
      <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="0 0 16 16"
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
      <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox="0 0 16 1
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="codespaces-
      <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0 0 16 16"
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="copy-color-
      <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16 16" versic
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="dash-color-
      <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16 16" versic
    </div>
```

```
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id=":
  <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
  <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
  <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="m
  <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
  <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
  <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="i
  <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
  <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-mute
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="t
  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="k
  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" v
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
```

```
    <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
    <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
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    data-group-title="Top result"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="0"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="commands"
    data-group-title="Commands"
    data-group-hint="Type &gt; to filter"
    data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&quot;pull_re
    data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="global_commands"
    data-group-title="Global Commands"
    data-group-hint="Type &gt; to filter"
    data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;discussion&quo
    data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="this_page"
    data-group-title="This Page"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="files"
    data-group-title="Files"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="4"
>
</command-palette-item-group>
```

```
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="organizations"
  data-group-title="Organizations"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="repositories"
  data-group-title="Repositories"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="references"
  data-group-title="Issues, pull requests, and discussions"
  data-group-hint="Type # to filter"
  data-group-limits="{}"
  data-default-priority="10"
```

```
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="teams"
  data-group-title="Teams"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="users"
  data-group-title="Users"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="12"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="projects"
  data-group-title="Projects"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="13"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="footer"
  data-group-title="Footer"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="14"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="modes_help"
  data-group-title="Modes"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="15"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="filters_help"
  data-group-title="Use filters in issues, pull requests, discussions, and projects"
  data-group-hint=""
```

```
              data-group-limits="{}"
              data-default-priority="16"
            >
            </command-palette-item-group>

            <command-palette-page
              data-page-title="tombeesley"
              data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
              data-scope-type="owner"
              data-targets="command-palette-page-stack.defaultPages"
              hidden
            >
            </command-palette-page>
            <command-palette-page
              data-page-title="PSYC121_2021-22"
              data-scope-id="R_kgDOGTyi1A"
              data-scope-type="repository"
              data-targets="command-palette-page-stack.defaultPages"
              hidden
            >
            </command-palette-page>
        </div>

        <command-palette-page data-is-root>
        </command-palette-page>
          <command-palette-page
            data-page-title="tombeesley"
            data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
            data-scope-type="owner"
          >
          </command-palette-page>
          <command-palette-page
            data-page-title="PSYC121_2021-22"
            data-scope-id="R_kgDOGTyi1A"
            data-scope-type="repository"
          >
          </command-palette-page>
      </command-palette-page-stack>

    <server-defined-provider data-type="search-links" data-targets="command-palette.serve
    <server-defined-provider data-type="help" data-targets="command-palette.serverDefined
        <command-palette-help
          data-group="modes_help"
            data-prefix="#"
            data-scope-types="[&quot;&quot;]"
        >
```

```
    <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">#</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="#"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">#</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="@"
    data-scope-types="[&quot;&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>organizations, r
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">@</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>projects</strong
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">!</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files</strong></
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">/</kbd>
      </span>
</command-palette-help>
<command-palette-help
```

```
      data-group="modes_help"
        data-prefix="&gt;"
>
    <span data-target="command-palette-help.titleElement">Activate <strong>command
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">&gt;</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
    <span data-target="command-palette-help.titleElement">Search your issues, pull
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
    <span data-target="command-palette-help.titleElement">Search your issues, pull
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
    <span data-target="command-palette-help.titleElement">Filter to pull requests</
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># is:pr</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
    <span data-target="command-palette-help.titleElement">Filter to issues</span>
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># is:issue</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
```

```
        data-prefix="# is:discussion"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Filter to discussions</span>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:discussion</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:project"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Filter to projects</span>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:project</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:open"
    >
      <span data-target="command-palette-help.titleElement">Filter to open issues, pull request
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:open</kbd>
        </span>
    </command-palette-help>
</server-defined-provider>

  <server-defined-provider
    data-type="commands"
    data-fetch-debounce="0"
      data-src="/command_palette/commands"
    data-supported-modes="[]"
      data-supports-commands

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="prefetched"
    data-fetch-debounce="0"
      data-src="/command_palette/jump_to_page_navigation"
    data-supported-modes="[&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
```

```
></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/issues"
  data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&q

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to_members_only"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
```

```
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/discussions"
      data-supported-modes="[&quot;#&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/projects"
      data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="prefetched"
      data-fetch-debounce="0"
        data-src="/command_palette/recent_issues"
      data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/teams"
      data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/name_with_owner_repository"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
</command-palette>
```

```
<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.14


</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22


</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06


</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0


</span>
<span class="Toast-content"></span>


    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```

```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">

    <div class="flex-auto min-width-0 width-fit mr-3">



  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users/tombeesley
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-frame" href="/
</strong>

<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>

    </div>

      <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2px 0;">

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charset="UTF-8"
    <button title="Pin this repository to your profile" type="submit" data-view-component="true"
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081 0 002.084

Pin

    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload
        <span
```

```
                data-target="notifications-list-subscription-form.unwatchButtonCopy"
          >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

              Unwatch
          </span>
          <span
            hidden

              data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
          >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55

              Stop ignoring
          </span>
          <span
            hidden

              data-target="notifications-list-subscription-form.watchButtonCopy"
          >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

              Watch
          </span>
        </span>
          <span id="repo-notifications-counter" data-target="notifications-list-subscript
        <span class="dropdown-caret"></span>

      <details-menu
        class="SelectMenu  "
        role="menu"
        data-target="notifications-list-subscription-form.menu"

      >
        <div class="SelectMenu-modal notifications-component-menu-modal">
          <header class="SelectMenu-header">
            <h3 class="SelectMenu-title">Notifications</h3>
            <button class="SelectMenu-closeButton" type="button" aria-label="Close menu"
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" widt
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

            </button>
```

```
            </header>

            <div class="SelectMenu-list">
              <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

                <input type="hidden" name="repository_id" value="423404244">

                <button
                  type="submit"
                  name="do"
                  value="included"
                  class="SelectMenu-item flex-items-start"
                  role="menuitemradio"
                  aria-checked="false"
                  data-targets="notifications-list-subscription-form.subscriptionButtons"

                >
                  <span class="f5">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

                  </span>
                  <div>
                    <div class="f5 text-bold">
                      Participating and @mentions
                    </div>
                    <div class="text-small color-fg-muted text-normal pb-1">
                      Only receive notifications from this repository when participating or @mentione
                    </div>
                  </div>
                </button>

                <button
                  type="submit"
                  name="do"
                  value="subscribed"
                  class="SelectMenu-item flex-items-start"
                  role="menuitemradio"
                  aria-checked="true"
                  data-targets="notifications-list-subscription-form.subscriptionButtons"
                >
                  <span class="f5">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

                  </span>
```

```
                    <div>
                      <div class="f5 text-bold">
                        All Activity
                      </div>
                      <div class="text-small color-fg-muted text-normal pb-1">
                        Notified of all notifications on this repository.
                      </div>
                    </div>
                  </button>

                  <button
                    type="submit"
                    name="do"
                    value="ignore"
                    class="SelectMenu-item flex-items-start"
                    role="menuitemradio"
                    aria-checked="false"
                    data-targets="notifications-list-subscription-form.subscriptionButtons"
                  >
                    <span class="f5">
                      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                    </span>
                    <div>
                      <div class="f5 text-bold">
                        Ignore
                      </div>
                      <div class="text-small color-fg-muted text-normal pb-1">
                        Never be notified.
                      </div>
                    </div>
                  </button>

                <button
                  class="SelectMenu-item flex-items-start pr-3"
                  type="button"
                  role="menuitemradio"
                  data-target="notifications-list-subscription-form.customButton"
                  data-action="click:notifications-list-subscription-form#openCustomDialog"
                  aria-haspopup="true"
                  aria-checked="false"

                >
                  <span class="f5">
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

            </span>
            <div>
              <div class="d-flex flex-items-start flex-justify-between">
                <div class="f5 text-bold">Custom</div>
                <div class="f5 pr-1">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

                </div>
              </div>
              <div class="text-small color-fg-muted text-normal pb-1">
                Select events you want to be notified of in addition to participating and @mentic
              </div>
            </div>
          </button>

            <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.75h8.5A1.75

              </span>
              <span className="text-small color-fg-muted text-normal pb-1">
                Get push notifications on <a target="_blank" rel="noopener noreferrer" href="http
              </span>
            </div>
        </div>
      </div>
    </details-menu>

    <details-dialog
      class="notifications-component-dialog "
      data-target="notifications-list-subscription-form.customDialog"
      aria-label="Custom dialog"
      hidden
    >
      <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visible">
        <form data-target="notifications-list-subscription-form.customform" data-action="submit:r

          <input type="hidden" name="repository_id" value="423404244">

          <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3">
```

```
                  <h1 class="f3 SelectMenu-title d-inline-flex">
                    <button
                      class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                      aria-label="Return to menu"
                      type="button"
                      data-action="click:notifications-list-subscription-form#closeCustomDial
                    >
                      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06


                    </button>
                    Custom
                  </h1>
                </header>

                <header class="d-none d-sm-flex flex-items-start pt-1">
                  <button
                    class="border-0 px-2 pt-1 m-0 Link--secondary f5"
                    style="background-color: transparent;"
                    aria-label="Return to menu"
                    type="button"
                    data-action="click:notifications-list-subscription-form#closeCustomDialog
                  >
                    <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06


                  </button>

                  <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
                    Custom
                  </h1>
                </header>

                <fieldset>
                  <legend>
                    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-
                      Select events you want to be notified of in addition to participating a
                    </div>
                  </legend>
                  <div data-target="notifications-list-subscription-form.labelInputs">
                  </div>
                    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                      <label class="f5 text-normal">
                        <input
                          type="checkbox"
```

```
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Issues
      </label>


  </div>
  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
    <label class="f5 text-normal">
      <input
        type="checkbox"
        name="thread_types[]"
        value="PullRequest"
        data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
        data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Pull requests
      </label>


  </div>
  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
    <label class="f5 text-normal">
      <input
        type="checkbox"
        name="thread_types[]"
        value="Release"
        data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
        data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Releases
      </label>


  </div>
  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
    <label class="f5 text-normal">
      <input
        type="checkbox"
        name="thread_types[]"
```

```
                            value="Discussion"
                            data-targets="notifications-list-subscription-form.threadTypeCheckb
                            data-action="change:notifications-list-subscription-form#threadType

                              aria-describedby="Discussion-disabled"
                              aria-disabled="true"
                          >
                            Discussions
                        </label>

                          <div
                            id="Discussion-disabled"
                            class="color-fg-muted"
                            >
                            Discussions are not enabled for this repository
                          </div>

                    </div>
                    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                      <label class="f5 text-normal">
                        <input
                          type="checkbox"
                          name="thread_types[]"
                          value="SecurityAlert"
                          data-targets="notifications-list-subscription-form.threadTypeCheckb
                          data-action="change:notifications-list-subscription-form#threadType

                        >
                        Security alerts
                      </label>


                    </div>
                </fieldset>
                <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                    <button name="do" value="custom" data-target="notifications-list-subscrip

                      <button data-action="click:notifications-list-subscription-form#resetForm

                </div>

        </details-dialog>


        <div class="notifications-component-dialog-overlay"></div>
```

```
    </details>
</notifications-list-subscription-form>


    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1
```

Fork 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9
```

```
    </button>
  <div
    id="filter-menu-093df5"
    class="d-flex flex-column flex-1 overflow-hidden"
```

  <div class="SelectMenu-list"

  >

```
        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig
```

```
<h2 class="Box-title">Unstar this repository?</h2>
```

```
<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been added to.
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}" accept-c
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="btn-danger
```

```
<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-target" data-tu
    <input type="hidden" value="8fo-_qKFIuU_xQt6amihs3Kq8FaReZwz12G2nL6UmQBJaa_rhrSm3ptZPDhi8HNnF
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.41l1.882 3.815 4.21.612a.75.75 0 01.416 1.27
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 (
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```
    </button>
  <div
    id="filter-menu-31baf9"
    class="d-flex flex-column flex-1 overflow-hidden"
```

     <div class="SelectMenu-list"

       >

```
        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widtl
```

  </div>

```
    <div id="responsive-meta-container" data-turbo-replace>
```

```
      <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-compor
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0
```

```
  <span data-content="Code">Code</span>
      <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M
```

```
  <span data-content="Issues">Issues</span>
      <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 (
```

```
    <span data-content="Pull requests">Pull requests</span>
        <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00

    <span data-content="Actions">Actions</span>
        <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75

    <span data-content="Projects">Projects</span>
        <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hid

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744

    <span data-content="Wiki">Wiki</span>
        <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 0115 3.48V7c0

    <span data-content="Security">Security</span>
        <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept="text/fra

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a.75.75 0 0

    <span data-content="Insights">Insights</span>
        <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137.146l.289 1

    <span data-content="Settings">Settings</span>
        <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions js-respons

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm13 0a1.5 1.
```

```
        <span class="sr-only">More</span>
</div>


<details-menu role="menu" data-view-component="true" class="dropdown-menu dropdo

    <ul>
        <li data-menu-item="i0code-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item selected dropdown-
            Code


        <li data-menu-item="i1issues-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Issues


        <li data-menu-item="i2pull-requests-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Pull requests


        <li data-menu-item="i3actions-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Actions


        <li data-menu-item="i4projects-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Projects


        <li data-menu-item="i5wiki-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Wiki


        <li data-menu-item="i6security-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Security


        <li data-menu-item="i7insights-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Insights


        <li data-menu-item="i8settings-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Settings


    </ul>
```

```
    <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
      <input data-target="input-demux.source"
             id="context-commitish-filter-field"
             class="SelectMenu-input form-control"
             aria-owns="ref-list-branches"
             data-controls-ref-menu-id="ref-list-branches"
             autofocus
             autocomplete="off"
             aria-label="Find or create a branch…"
             placeholder="Find or create a branch…"
             type="text"
      >
    </div>

    <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
      <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Branches</butt
      <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
    </div>

    <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create a branch…
      <ref-selector
        type="branch"
        data-targets="input-demux.sinks"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
```

```
            can-create
            cache-key="v0:1635758695.249855"
            current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
            default-branch="bWFpbg=="
            name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
            prefetch-on-mouseover
        >

            <template data-target="ref-selector.fetchFailedTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Could not load branc
            </template>

            <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDItV2VlazItYW5hbHlzaXMuUm1k">

  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payloa
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.2

    <div>
      <span class="text-bold">Create branch: {{ refName }}</span>
      <span class="color-fg-muted">from 'ff15dfe'</span>
    </div>
  </button>

            <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
              <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

            </div>

            <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branc
```

```
        </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden c
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
      >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags</div>
        </template>

        <template data-target="ref-selector.noMatchTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div>
        </template>

          <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list" data-pj
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

    </div>
          <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">View all t
      </ref-selector>
    </div>
  </tab-container>
</input-demux>
```

PSYC121_2021-22/02-Week2-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;ev
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>

    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-c
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>

    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy pat

        Copy path

    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy per

        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>

  </ul>

<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

  <div class="overflow-hidden">This commit does not belong to any branch on this repos

<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433

<div class="Box d-flex flex-column flex-shrink-0 mb-3">

  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style=
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>
```

```
<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>


<div data-target="readme-toc.content" class="Box mt-3 position-relative">


  202 lines (121 sloc)
  <span class="file-info-divider"></span>
11.2 KB


<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/02-Week2-ar
```

Blame

```
<div class="d-flex">



  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action="/tombeesl
          <button disabled="disabled" title="You must be on a branch to make or propose changes t
          <div class="color-fg-muted">E</div>


        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-link" data-dr
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
      <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw" disabled
        aria-label="You must be on a branch to make or propose changes to this file" type="button
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1.75zm4.5 0V


      </button>
</div>
```

```
<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
      data-test-selector="small-screen-more-options"
      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_
    >
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

    </summary>

    <ul class="dropdown-menu dropdown-menu-sw" style="width: 175px">
       <li>
       </li>
       <li>
         <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433
           View raw
         </a>
       </li>
         <li>
           <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_2
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw
contents

```
         <li>
           <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b
             View blame
           </a>
         </li>

    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-

<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled di
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectiona
</span>
```

```
<a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde
```

—

output:

html_document: default

pdf_document: default

—

Week 2: Descriptive statistics in R Studio*

> Written by John Towse & Tom Beesley

Pre-lab work

Last week we asked you to

- Practice a WBA task (the math skill task)

- Connect to the R Studio server and enter some simple commands

- Complete a survey so that we can collect data for analysis teaching

This week - we are introducing the **learnr** tutorial system for lab preparation. This will allow you to try out some useful lab skills before your main lab.

Please make sure you've looked at and followed through the exercises here: <https://ma-rconnect.lancs.ac.uk/PSYC121_W2_labprep/ %3E;

File organisation

We also recommend that you set up your University "H drive" by following the instructions here

If you do this, you can organise your files in one place and access them from any university computer that you log in to, including the lab machines in the Levy Lab and the virtual machine (see above). So this effectively acts as a free, cloud-based storage solution for your work (and even personal stuff).

However you choose to store your files, it's essential that you are careful about file organisation. As you progress through these exercises, you will find yourself downloading many data files, and creating many R scripts.

Consider each week a new set of materials that should have it's own folder. Get used to organising your work and you will be well placed to revise the material at a later date.

R Studio tasks

For a reminder of how to start R Studio, see the Week 1 content.

You can access the RStudio Server at: <http://psy-rstudio.lancaster.ac.uk/ %3E;

(remember: off campus, you will need to be on the VPN)

Bringing data, scripts and files into R Studio

In week 1, we had a tiny dataset that we entered into R through command line. We're going to need a way to tell R about bigger datasets though, so we need to work with datafiles, and bring them into R so that they can form data frames and other forms of data objects in R.

We've provided (on moodle) a walk-though of how to get a data file (in a zip compressed file) into the R environment. Note, once we have imported it into R, it's no longer the original file started with, but within R is has become a named data frame.
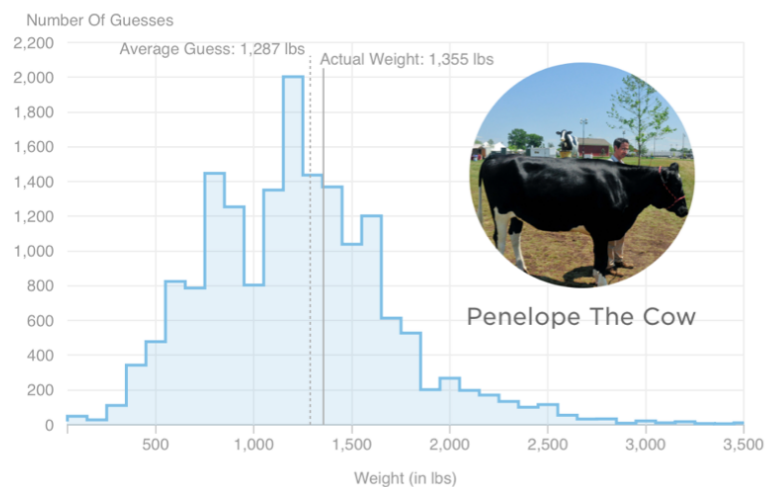
Lab exercises

Descriptive information in R Studio

Some 5 years ago, a large group of participants gave an estimate of the weight of Penelope the cow. Just over 17,000 guesses. And the distribution of guesses was

something like this:

What we can see from this graph is that:

1. Guesses formed a roughly normal distribution. There is a bit of a skew with a right-hand tail, but this is inevitable as a weight of less than 0 is physically impossible, but there is no limit of the semantics of a large guess.

2. The mean guess weight (1,287 lbs) is very close to the actual (true) weight of the cow (1,355 lbs). So even though lots of people were inaccurate, a central tendency measure has a pretty good alignment with te true weight. This is

known as the Wisdom of Crowds phenomenon, first identified by Galton in 1907 (though he suggested using the median weight)

Let's look at (a smaple of) the PSYC121 student data from 2021 collected on guessing the weight of Penelope, and ask whether it resembles the properties of this large dataset.

Loading the data {#uploading_zip}

To get the data into R Studio, you need to complete the following steps:

1. Download the "zip" file by clicking this link

2. Find the location of the file on your computer and check it is saved as a ".zip" file

3. Return to RStudio and navigate to the folder you want to upload the data into (you could create a new folder for this week).

4. Click "Upload"

5. Check the target directory is correct

6. Click choose file and find the file on your computer.

7. Select the file and click "Open". Click "OK"

You should now see the files extracted in the directory. If you receive an "unexpected server error" please try this process in a different browser. If you still have trouble, send your username to us t.beesley@lancaster.ac.uk for support.

Using the R script {#basic_script}

Let's start working with our data, by opening up the "Week_2_script.R" file. It's part of the zip file for week 2. This is an "R script" that contains a series of commands. We could type each of these in the console window (like we did in Week 1), but by having them in a script like this, it saves us typing them or copying and pasting them into the console. It also means we have a record of all the commands we have run.

The first command is to load a library of functions:

```
{r eval =FALSE}</span><span class="pl-s1"></span></td>            </tr>
<tr>            <td id="L81" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="81"></td>            <td id="LC81"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">library(<span
class="pl-smi">tidyverse</span>)</span></td>            </tr>            <tr>
<td id="L82" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="82"></td>            <td id="LC82"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

To run this, simply click anywhere on line 1 of the R script to put the cursor there, and press ctrl+enter (cmd+enter on a mac) or click the button called run.

You will see a number of messages appear in the console. Don't worry about these, or worry too much about what exactly this command is doing. Essentially this is giving us some useful tools for our analysis. We will introduce the features of the **tidyverse** gradually during this course.

(side note: If you were using a local version of R studio on your computer, it might not have the 'tidyverse' library already installed. You would need to install the package first)

To import the data into RStudio, from the csv file, simply click the "Import Dataset" button in the "Enviornment" pane. John has a video available to follow along with, if you have trouble with this bit.

The data are in R studio if you have followed all the lab sheet to this point. Note that when you imported the data into the R environment, a command line was generated at the console

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L93" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="93"></td>          <td id="LC93"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
<span class="pl-smi">penelope21</span> <span class="pl-k">&lt;-</span>
read.csv(<span class="pl-s"><span class="pl-pds">&quot;</span>~/penelope21.csv<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>          <td id="L94" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="94"></td>          <td id="LC94"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

What this command accomplished was to read the spreadsheet called 'penelope21' into an object in R called penelope21. You could use any object label, but it's important to then keep that name consistent in what you do next.

The command was also generated

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L101" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="101"></td>
<td id="LC101" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"> View(<span class="pl-smi">penelope21</span>)</span></td>
</tr>          <tr>          <td id="L102" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="102"></td>
<td id="LC102" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

which presents the data in a windo of R studio. Note that "NA" means not available or missing data. Does this file structure make some sense to you?

Finding the mean and median estimates {#mean_median}

Use the data to answer the following questions...

1. What is the mean weight estimates?

2. What is the standard deviation of the estimates?

3. What is the median weight of the estimates?

4. Which of these central tendency measures is the more accurate measure of the true cow weight? (make a judgement)

5. What is the mean weight estimate (and standard deviation) for female respondents and non-female (male / non-binary /prefer not to say) respondents?

You may be thinking, how do I possibly do any of this?! Well this week most of the commands you need are contained in the R script you have downloaded. Also, remember from last week, we explored the R command:

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>           </tr>
<tr>            <td id="L119" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="119"></td>
<td id="LC119" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">mean(<span class="pl-smi">lecture1_data</span>)</span></td>
</tr>          <tr>           <td id="L120" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="120"></td>
<td id="LC120" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

That gave us the mean of the small dataset "lecture1_data". This time, we want to explore the penelope dataset. But also, the lecture_data was just a single list of numbers. The penelope21 object is more like a datasheet. So we need to tell R Studio which **column** we are interested in. RStudio uses the format **data$column**. Hence, we can ask

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>           </tr>
<tr>            <td id="L125" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="125"></td>
<td id="LC125" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">mean(<span class="pl-smi">penelope21</span><span
class="pl-k">$</span><span class="pl-smi">estimate</span>) </span></td>
</tr>          <tr>           <td id="L126" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="126"></td>
<td id="LC126" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

(this command is in the r script so you don't need to write it out) and to get a standard deviation we can use the command:

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>           </tr>
<tr>            <td id="L131" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="131"></td>
<td id="LC131" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">sd(<span class="pl-smi">penelope21</span><span
```

```
class="pl-k">$</span><span class="pl-smi">estimate</span>)</span></td>
</tr>           <tr>             <td id="L132" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="132"></td>
<td id="LC132" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

So from this, can you work out what you would do to get the median value
(remember from last week how we got the median value?). Part fo the command
is given to you, can you change the text so that it works?

Calculations from a range of columns

We have seen that:

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>           </tr>
<tr>           <td id="L141" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="141"></td>
<td id="LC141" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">mean(<span class="pl-smi">penelope21</span><span
class="pl-k">$</span><span class="pl-smi">estimate</span>) </span></td>
</tr>           <tr>             <td id="L142" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="142"></td>
<td id="LC142" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

will provide a mean of the column "estimate". In the third column, named
"female_estimate", we have the estimates of just the female respondents. In the
fourth column, named "other_estimate", we have the estimates of the "other"
respondents (males and non-binary and prefer not to say).

So can you now figure out how you might get information about the estimate
from the female data (only) or the non-female data? Try it, based on what you
have just done. Does it work?

You will find that the result of the this command produces an "NA" result.
This means that the answer is "Not Available", or in other words, is a "missing
value". This is because some of the values in this column are NA, and the mean
of a column with NAs will always lead to the result NA.

Instead, try this command:

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>           </tr>
<tr>           <td id="L153" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="153"></td>
<td id="LC153" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">mean(<span class="pl-smi">penelope21</span><span
class="pl-k">$</span><span class="pl-smi">female_estimate</span>,
<span class="pl-v">na.rm</span> <span class="pl-k">=</span>
<span class="pl-c1">TRUE</span> )</span></td>           </tr>
<tr>           <td id="L154" class="blob-num js-line-number
```

```
js-code-nav-line-number js-blob-rnum" data-line-number="154"></td>
<td id="LC154" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

Any different? The `na.rm = TRUE` instruction tells RStudio that missing data can be ignored in this mean calculation. (in technical language, `na.rm` is a parameter of the function `mean` that removes the NAs if set to TRUE)

Simple graphs

RStudio can be used to create graphical data plots that can help interpret datasets

The first thing we can do is create a histogram distribution of guesses from the sample student data to compare with the previous large sample study (i.e. the 17,000 guesses):

```
{r eval=FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L165" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="165"></td>
<td id="LC165" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">hist(<span class="pl-smi">penelope21</span><span
class="pl-k">$</span><span class="pl-smi">estimate</span>)</span></td>
</tr>          <tr>          <td id="L166" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="166"></td>
<td id="LC166" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

We can also create a "box and whisker plot". Here's a general simple description of a box-and-whisker plot as a graphical representation of data:

Description

A Box and Whisker Plot (or Box Plot) is a convenient way of visually displaying the data distribution through their quartiles.

The lines extending parallel from the boxes are known as the "whiskers", which are used to indicate variability outside the upper and lower quartiles. Outliers are sometimes plotted as individual dots that are in-line with whiskers. Box Plots can be drawn either vertically or horizontally.

Although Box Plots may seem primitive in comparison to a Histogram or Density Plot, they have the advantage of taking up less space, which is useful when comparing distributions between many groups or datasets.

Here are the types of observations one can make from viewing a Box Plot:

- What the key values are, such as: the average, median 25th percentile etc.
- If there are any outliers and what their values are.
- Is the data symmetrical.
- How tightly is the data grouped.
- If the data is skewed and if so, in what direction.

Anatomy
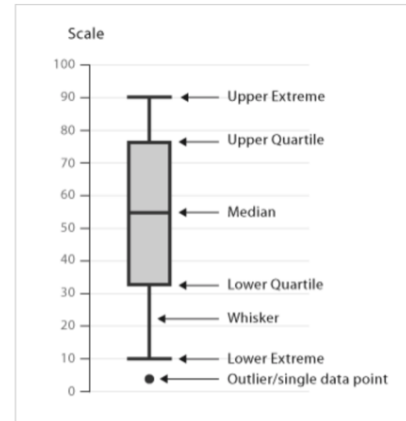
We can create a box and whisker plot for the estimate column using the following command:

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>              </tr>
<tr>              <td id="L175" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="175"></td>
<td id="LC175" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">boxplot(<span class="pl-smi">penelope21</span><span
class="pl-k">$</span><span class="pl-smi">estimate</span>)</span></td>
</tr>              <tr>              <td id="L176" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="176"></td>
<td id="LC176" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

Extra content!

Want to try explore some more outside of the analysis class before next week and improve your R skillset? Try these exercises:

Helping yourself!

If you're not sure how a command works, or some detail of command, then R itself may be able to help you. You can ask for help for example by entering the command

help(mean)

Try get help on other commands we have explored this week. Does the help info converge with your growing knowledge of the commands? Does the help

show you some of the additional options with the commands? Can you use the examples which may accompany the help info?

You can also use help() to find out more about packages rather than just commands (see next challenge). And most help info will give some example, but you can ask for examples specifically with example() (e.g. example(mean))

Create a box-and-whisker plot of BOTH the female and non-female data on the same figure.

To do so, you can use a really flexible toolkit (in R-speak, called a package) with publisher-quality graphics capabilities called "ggplot2". We turned this on with the command before

```
{r eval = FALSE}</span><span class="pl-s1"></span></td>          </tr>
<tr>          <td id="L197" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="197"></td>
<td id="LC197" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">library(<span class="pl-smi">tidyverse</span>)</span></td>
</tr>          <tr>          <td id="L198" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="198"></td>
<td id="LC198" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span><span class="pl-c1">
```

Have a look at the help information about for example, "geom_boxplot", and try out the script information provided for week 2. The challenge is to figure out how the script instructions produce the graph – what do the elements do (maybe fiddle around with it to find out!).

Good luck!

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>

</div>

Go

</main>

      <footer class="footer width-full container-xl p-responsive">
```

Footer

```
<div class="list-style-none d-flex flex-wrap col-0 col-lg-2 flex-justify-start flex-lg-
  <div class="mt-2 mt-lg-0 d-flex flex-items-center">
    <a aria-label="Homepage" title="GitHub" class="footer-octicon mr-2" href="https://g
      <svg aria-hidden="true" height="24" viewBox="0 0 16 16" version="1.1" width="24"
<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-


© 2022 GitHub, Inc.


</div>

<nav aria-label='footer' class="col-12 col-lg-8">
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  <ul class="list-style-none d-flex flex-wrap col-12 flex-justify-center flex-lg-justi
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/g
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/g
      <li class="mr-3 mr-lg-0"><a data-analytics-event="{&quot;category&quot;:&quot;Foo
      <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-e
      <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to help, text:Docs" href="h
      <li class="mr-3 mr-lg-0"><a href="https://support.github.com?tags=dotcom-footer"
      <li class="mr-3 mr-lg-0"><a href="https://github.com/pricing" data-analytics-even
    <li class="mr-3 mr-lg-0"><a href="https://docs.github.com" data-analytics-event="{&
    <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event
      <li class="mr-3 mr-lg-0"><a href="https://github.blog" data-analytics-event="{&qu
      <li><a data-ga-click="Footer, go to about, text:about" href="https://github.com/a
  </ul>
</nav>

<span class="f6 color-fg-muted"></span>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss er
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>
You can't perform that action at this time.

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

<span class="js-stale-session-flash-signed-in" hidden>You signed in with another tab o
<span class="js-stale-session-flash-signed-out" hidden>You signed out in another tab o
```

```
<template id="site-details-dialog">

<div class="Popover js-hovercard-content position-absolute" style="display: none; outline: none;'

<template id="snippet-clipboard-copy-button">

<clipboard-copy aria-label="Copy" class="ClipboardButton btn js-clipboard-copy m-2 p-0 tooltipped
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M0 6.75C0 5.784.784 5 1.75 5h1.5a.75.75 0 010 1.5h-1.5a.25.25 0 00-.

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

</clipboard-copy>

<style>
  .user-mention[href$="/tombeesley"] {
    color: var(--color-user-mention-fg);
    background-color: var(--color-user-mention-bg);
    border-radius: 2px;
    margin-left: -2px;
    margin-right: -2px;
    padding: 0 2px;
  }
</style>
```

<!DOCTYPE html>

PSYC121_2021-22/03-Week3-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

```
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<meta name="user-login" content="tombeesley">

<meta name="viewport" content="width=device-width">

  <meta name="description" content="Contribute to tombeesley/PSYC121_2021-22 development by creat
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="(
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905" />
  <meta name="twitter:image:src" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f
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```

```
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  <link rel="shared-web-socket" href="wss://alive.github.com/_sockets/u/16871255/ws?se
  <link rel="shared-web-socket-src" href="/assets-cdn/worker/socket-worker-b87581f5816


    <meta name="hostname" content="github.com">


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    <meta name="expected-hostname" content="github.com">

<meta name="enabled-features" content="ACTIONS_RUN_NAME,IMAGE_METRIC_TRACKING,GEOJSON_

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<link rel="canonical" href="https://github.com/tombeesley/PSYC121_2021-22/blob/ff15dfe

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<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-

    <script crossorigin="anonymous" defer="defer" type="application/javascript" src="ht

        <header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wr

<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

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label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

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<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.7

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form"
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-con
    <input type="text"
```

```
          class="form-control js-site-search-focus header-search-input jump-to-field js-jump-to-field
          data-hotkey=s,/
          name="q"
          data-test-selector="nav-search-input"
          placeholder="Search or jump to…"
          data-unscoped-placeholder="Search or jump to…"
          data-scoped-placeholder="Search or jump to…"
          autocapitalize="off"
          role="combobox"
          aria-haspopup="listbox"
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          aria-autocomplete="list"
          aria-controls="jump-to-results"
          aria-label="Search or jump to…"
          data-jump-to-suggestions-path="/_graphql/GetSuggestedNavigationDestinations"
          spellcheck="false"
          autocomplete="off"
        >
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        <input type="hidden" class="js-site-search-type-field" name="type" >
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  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
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<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
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    In this repository
```

```
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

No suggested jump to results

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

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<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

</div>

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</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1.
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</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>

  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1.
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea
```

```
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>


<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" h


      </div>
  </label>


  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>

<div class="Header-item Header-item--full flex-justify-center d-md-none position-relative">
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">



<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.235.25A2 2 0

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

      Sorry, something went wrong.
    </p>
  </include-fragment>
```

```
</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this messa
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>

  <div>{{ message }}</div>

<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
```

```
<command-palette-mode
  data-char="/"
    data-scope-types="[&quot;repository&quot;]"
    data-placeholder="Search files"
></command-palette-mode>
<command-palette-mode
  data-char="?"
></command-palette-mode>
<command-palette-mode
  data-char="&gt;"
    data-placeholder="Run a command"
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;owner&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
class="js-command-palette-default-mode"
data-char=""
data-placeholder="Search or jump to..."
></command-palette-mode>

<command-palette-input placeholder="Search or jump to..."

  data-action="
    command-palette-input:command-palette#onInput
    command-palette-select:command-palette#onSelect
    command-palette-descope:command-palette#onDescope
    command-palette-cleared:command-palette#onInputClear
  "
>
  <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

  </div>
  <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
    <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
      <circle
        cx="8"
```

```
          cy="8"
          r="7"
          stroke="currentColor"
          stroke-opacity="0.25"
          stroke-width="2"
          vector-effect="non-scaling-stroke"
        ></circle>
        <path
          d="M15 8a7.002 7.002 0 00-7-7"
          stroke="currentColor"
          stroke-width="2"
          stroke-linecap="round"
          vector-effect="non-scaling-stroke"
        ></path>
      </svg>
  </div>
  <command-palette-scope >
    <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtl
        <command-palette-token
          data-text="tombeesley"
          data-id="MDQ6VXNlcjE2ODcxMjU1"
          data-type="owner"
          data-value="tombeesley"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >tombeesley<span class="color-fg-subtle text-normal">  / &nb
        <command-palette-token
          data-text="PSYC121_2021-22"
          data-id="R_kgDOGTyi1A"
          data-type="repository"
          data-value="PSYC121_2021-22"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
  </command-palette-scope>
  <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-no
    <div class="command-palette-typeahead position-absolute d-flex flex-items-center
      <span class="typeahead-segment input-mirror" data-target="command-palette-inpu
      <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
      <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
    </div>
    <input
      class="js-overlay-input typeahead-input d-none"
      disabled
```

```
            tabindex="-1"
            aria-label="Hidden input for typeahead"
          >
          <input
            type="text"
            autocomplete="off"
            autocorrect="off"
            autocapitalize="off"
            spellcheck="false"
            class="js-input typeahead-input form-control border-0 box-shadow-none input-block width-f
            aria-label="Command palette input"
            aria-haspopup="listbox"
            aria-expanded="false"
            aria-autocomplete="list"
            aria-controls="command-palette-page-stack"
            role="combobox"
            data-action="
              input:command-palette-input#onInput
              keydown:command-palette-input#onKeydown
            "
          >
        </div>
          <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input#onClear ke
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM6.03 4.97a.
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
```

```
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search discussions
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">!</kbd> to search projects
    </div>
    <div class="ml-2 flex-shrink-0">
```

```
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search teams
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search people and organizations
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
```

```
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type author:@me to search your content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:pr to filter to pull requests
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
```

```
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:issue to filter to issues
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:project to filter to projects
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:open to filter to open content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
```

```
      </command-palette-tip>
    <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" c
      <div>
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

      </div>
      <div class="px-2">
        We've encountered an error and some results aren't available at this time. Type
      </div>
    </command-palette-tip>
    <command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-
      No results matched your search
    </command-palette-tip>

    <div hidden>

        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
          <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
          <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
          <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
          <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="d
          <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="f
          <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
          <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
          <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="m
          <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
          <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0 1
```

127

```
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="pencil-colo
  <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="issue-opene
  <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16" version=
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="git-pull-re
  <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted" viewBox=
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="search-colo
  <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sun-color-f
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sync-color-
  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16 16" versio
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="trash-color
  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16 16" versi
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="key-color-f
  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="comment-dis
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-color-
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16 16" versio
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-slash-
  <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
  <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
  data-group-id="top"
  data-group-title="Top result"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="0"
>
</command-palette-item-group>
```

```
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&qu
  data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;dis
  data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
```

```
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="access_policies"
    data-group-title="Access Policies"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="7"
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="organizations"
    data-group-title="Organizations"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="8"
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="repositories"
    data-group-title="Repositories"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="9"
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="references"
    data-group-title="Issues, pull requests, and discussions"
    data-group-hint="Type # to filter"
    data-group-limits="{}"
    data-default-priority="10"
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="teams"
    data-group-title="Teams"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="11"
  >
  </command-palette-item-group>
  <command-palette-item-group
    data-group-id="users"
    data-group-title="Users"
    data-group-hint=""
```

```
                        data-group-limits="{}"
                        data-default-priority="12"
                      >
                      </command-palette-item-group>
                      <command-palette-item-group
                        data-group-id="projects"
                        data-group-title="Projects"
                        data-group-hint=""
                        data-group-limits="{}"
                        data-default-priority="13"
                      >
                      </command-palette-item-group>
                      <command-palette-item-group
                        data-group-id="footer"
                        data-group-title="Footer"
                        data-group-hint=""
                        data-group-limits="{}"
                        data-default-priority="14"
                      >
                      </command-palette-item-group>
                      <command-palette-item-group
                        data-group-id="modes_help"
                        data-group-title="Modes"
                        data-group-hint=""
                        data-group-limits="{}"
                        data-default-priority="15"
                      >
                      </command-palette-item-group>
                      <command-palette-item-group
                        data-group-id="filters_help"
                        data-group-title="Use filters in issues, pull requests, discussions, and proj
                        data-group-hint=""
                        data-group-limits="{}"
                        data-default-priority="16"
                      >
                      </command-palette-item-group>

                      <command-palette-page
                        data-page-title="tombeesley"
                        data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
                        data-scope-type="owner"
                        data-targets="command-palette-page-stack.defaultPages"
                        hidden
                      >
                      </command-palette-page>
                      <command-palette-page
```

```
            data-page-title="PSYC121_2021-22"
            data-scope-id="R_kgDOGTyi1A"
            data-scope-type="repository"
            data-targets="command-palette-page-stack.defaultPages"
            hidden
        >
        </command-palette-page>
    </div>

    <command-palette-page data-is-root>
    </command-palette-page>
      <command-palette-page
        data-page-title="tombeesley"
        data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
        data-scope-type="owner"
      >
      </command-palette-page>
      <command-palette-page
        data-page-title="PSYC121_2021-22"
        data-scope-id="R_kgDOGTyi1A"
        data-scope-type="repository"
      >
      </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serverDefinedPr
<server-defined-provider data-type="help" data-targets="command-palette.serverDefinedProviderEl
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
```

```
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="@"
    data-scope-types="[&quot;&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>organ
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">@</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>proje
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
```

```
          <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
  <span data-target="command-palette-help.titleElement">Filter to issues</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span>
```

```
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:project</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:open"
    >
      <span data-target="command-palette-help.titleElement">Filter to open issues, pu
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:open</kbd>
        </span>
    </command-palette-help>
</server-defined-provider>

  <server-defined-provider
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    data-fetch-debounce="0"
      data-src="/command_palette/commands"
    data-supported-modes="[]"
      data-supports-commands

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="prefetched"
    data-fetch-debounce="0"
      data-src="/command_palette/jump_to_page_navigation"
    data-supported-modes="[&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/issues"
    data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
      data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/jump_to"
```

```
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to_members_only"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
```

```
              data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="prefetched"
          data-fetch-debounce="0"
            data-src="/command_palette/recent_issues"
          data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
            data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/teams"
          data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/name_with_owner_repository"
          data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
</command-palette>


<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
```

```
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.141.14.22.331
```

```
</span>
<span class="Toast-content"></span>
```

```
<span class="Toast-icon">
   <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164
```

```
</span>
<span class="Toast-content"></span>
```

```
<span class="Toast-icon">
   <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2
```

```
</span>
<span class="Toast-content"></span>
```

```
<span class="Toast-icon">
   <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0A8 8 0 010
```

```
</span>
<span class="Toast-content"></span>
```

```
    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```

```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(
```

```
   <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">
```

```
    <div class="flex-auto min-width-0 width-fit mr-3">
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users,
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-fra
</strong>
```

```
<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>
```

```
    </div>

      <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2p

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charse
    <button title="Pin this repository to your profile" type="submit" data-view-compone
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081
```

Pin

```
    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&qu
        <span


          data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242


          Unwatch
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55
```

```
      Stop ignoring
    </span>
    <span
      hidden

      data-target="notifications-list-subscription-form.watchButtonCopy"
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

      Watch
    </span>
  </span>
    <span id="repo-notifications-counter" data-target="notifications-list-subscription-form.s
    <span class="dropdown-caret"></span>


  <details-menu
    class="SelectMenu  "
    role="menu"
    data-target="notifications-list-subscription-form.menu"


  >
    <div class="SelectMenu-modal notifications-component-menu-modal">
      <header class="SelectMenu-header">
        <h3 class="SelectMenu-title">Notifications</h3>
        <button class="SelectMenu-closeButton" type="button" aria-label="Close menu" data-actio
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

        </button>
      </header>

      <div class="SelectMenu-list">
        <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

          <input type="hidden" name="repository_id" value="423404244">

          <button
            type="submit"
            name="do"
            value="included"
            class="SelectMenu-item flex-items-start"
            role="menuitemradio"
            aria-checked="false"
            data-targets="notifications-list-subscription-form.subscriptionButtons"
```

```
                      >
                        <span class="f5">
                          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                        </span>
                        <div>
                          <div class="f5 text-bold">
                            Participating and @mentions
                          </div>
                          <div class="text-small color-fg-muted text-normal pb-1">
                            Only receive notifications from this repository when participating o
                          </div>
                        </div>
                      </button>

                      <button
                        type="submit"
                        name="do"
                        value="subscribed"
                        class="SelectMenu-item flex-items-start"
                        role="menuitemradio"
                        aria-checked="true"
                        data-targets="notifications-list-subscription-form.subscriptionButtons"
                      >
                        <span class="f5">
                          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                        </span>
                        <div>
                          <div class="f5 text-bold">
                            All Activity
                          </div>
                          <div class="text-small color-fg-muted text-normal pb-1">
                            Notified of all notifications on this repository.
                          </div>
                        </div>
                      </button>

                      <button
                        type="submit"
                        name="do"
                        value="ignore"
```

```
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="false"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  Ignore
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Never be notified.
                </div>
              </div>
            </button>

          <button
            class="SelectMenu-item flex-items-start pr-3"
            type="button"
            role="menuitemradio"
            data-target="notifications-list-subscription-form.customButton"
            data-action="click:notifications-list-subscription-form#openCustomDialog"
            aria-haspopup="true"
            aria-checked="false"

          >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="d-flex flex-items-start flex-justify-between">
                  <div class="f5 text-bold">Custom</div>
                  <div class="f5 pr-1">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

                  </div>
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
```

```
                    Select events you want to be notified of in addition to participating a
                  </div>
                </div>
              </button>

                <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
                  <span class="f5">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.7

                  </span>
                  <span className="text-small color-fg-muted text-normal pb-1">
                    Get push notifications on <a target="_blank" rel="noopener noreferrer"
                  </span>
                </div>
            </div>
          </div>
      </details-menu>

      <details-dialog
        class="notifications-component-dialog "
        data-target="notifications-list-subscription-form.customDialog"
        aria-label="Custom dialog"
        hidden
      >
        <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visibl
          <form data-target="notifications-list-subscription-form.customform" data-action

            <input type="hidden" name="repository_id" value="423404244">

            <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3"
              <h1 class="f3 SelectMenu-title d-inline-flex">
                <button
                  class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                  aria-label="Return to menu"
                  type="button"
                  data-action="click:notifications-list-subscription-form#closeCustomDial
                >
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06

                </button>
                Custom
              </h1>
            </header>
```

```
<header class="d-none d-sm-flex flex-items-start pt-1">
  <button
    class="border-0 px-2 pt-1 m-0 Link--secondary f5"
    style="background-color: transparent;"
    aria-label="Return to menu"
    type="button"
    data-action="click:notifications-list-subscription-form#closeCustomDialog"
  >
        <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true" height="16"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

  </button>

  <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
    Custom
  </h1>
</header>

<fieldset>
  <legend>
    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-bottom mb-
      Select events you want to be notified of in addition to participating and @mentic
    </div>
  </legend>
  <div data-target="notifications-list-subscription-form.labelInputs">
  </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Issues
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
```

```
              name="thread_types[]"
              value="PullRequest"
              data-targets="notifications-list-subscription-form.threadTypeCheckb
              data-action="change:notifications-list-subscription-form#threadType

          >
          Pull requests
        </label>


  </div>
  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
    <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Release"
          data-targets="notifications-list-subscription-form.threadTypeCheckb
          data-action="change:notifications-list-subscription-form#threadType

        >
        Releases
      </label>


  </div>
  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
    <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Discussion"
          data-targets="notifications-list-subscription-form.threadTypeCheckb
          data-action="change:notifications-list-subscription-form#threadType

            aria-describedby="Discussion-disabled"
            aria-disabled="true"
        >
        Discussions
      </label>

      <div
        id="Discussion-disabled"
        class="color-fg-muted"
        >
        Discussions are not enabled for this repository
```

```
                    </div>

                </div>
                <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                  <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="SecurityAlert"
                      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                    >
                    Security alerts
                  </label>


                </div>
            </fieldset>
            <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                <button name="do" value="custom" data-target="notifications-list-subscription-form.

                <button data-action="click:notifications-list-subscription-form#resetForm" data-clo

            </div>

    </details-dialog>


    <div class="notifications-component-dialog-overlay"></div>
  </details>
</notifications-list-subscription-form>

    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1
```

Fork 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-502b5a"
    class="d-flex flex-column flex-1 overflow-hidden"
```

<div class="SelectMenu-list"

>

```
    <include-fragment class="SelectMenu-loading" aria-label="Loading">
      <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widt
```

```
<h2 class="Box-title">Unstar this repository?</h2>


<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's bee
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class=
```

```
<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-targe
    <input type="hidden" value="XsEb12SufnF7GtRo2gqCBgZxQPPL4vYAECjgk9pn42jmUorCQJ_6St-
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```
    </button>
  <div
    id="filter-menu-36c5f5"
    class="d-flex flex-column flex-1 overflow-hidden"
```

<div class="SelectMenu-list"

```
                >

                        <include-fragment class="SelectMenu-loading" aria-label="Loading">
                          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig

            </div>

                <div id="responsive-meta-container" data-turbo-replace>


                        <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-component="true'


                        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0 11-1.06 1.

    <span data-content="Code">Code</span>
        <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M8 0a8 8 0

    <span data-content="Issues">Issues</span>
        <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hidde


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 01-.427.177

    <span data-content="Pull requests">Pull requests</span>
        <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 000

    <span data-content="Actions">Actions</span>
        <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75

    <span data-content="Projects">Projects</span>
        <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hid


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744
```

```
  <span data-content="Wiki">Wiki</span>
      <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 011

  <span data-content="Security">Security</span>
      <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a

  <span data-content="Insights">Insights</span>
      <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137

  <span data-content="Settings">Settings</span>
      <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

          <span class="sr-only">More</span>
        </div>

        <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdo

          <ul>
              <li data-menu-item="i0code-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item selected dropdown-
                  Code

              <li data-menu-item="i1issues-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                  Issues

              <li data-menu-item="i2pull-requests-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                  Pull requests
```

```
        <li data-menu-item="i3actions-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Actions

        <li data-menu-item="i4projects-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Projects

        <li data-menu-item="i5wiki-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Wiki

        <li data-menu-item="i6security-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Security

        <li data-menu-item="i7insights-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Insights

        <li data-menu-item="i8settings-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
            Settings

      </ul>

  <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
```

```
        <input data-target="input-demux.source"
               id="context-commitish-filter-field"
               class="SelectMenu-input form-control"
               aria-owns="ref-list-branches"
               data-controls-ref-menu-id="ref-list-branches"
               autofocus
               autocomplete="off"
               aria-label="Find or create a branch…"
               placeholder="Find or create a branch…"
               type="text"
        >
      </div>

      <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
        <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Bra
        <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
      </div>

      <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create
        <ref-selector
          type="branch"
          data-targets="input-demux.sinks"
          data-action="
            input-entered:ref-selector#inputEntered
            tab-selected:ref-selector#tabSelected
            focus-list:ref-selector#focusFirstListMember
          "
          query-endpoint="/tombeesley/PSYC121_2021-22/refs"
          can-create
          cache-key="v0:1635758695.249855"
          current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
          default-branch="bWFpbg=="
          name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
          prefetch-on-mouseover
        >

          <template data-target="ref-selector.fetchFailedTemplate">
            <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
          </template>

          <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDMtV2VlazMtYW5hbHlzaXMuUm1k">
```

```
  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-c
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.25 2.25 0 11

    <div>
      <span class="text-bold">Create branch: {{ refName }}</span>
      <span class="color-fg-muted">from 'ff15dfe'</span>
    </div>
  </button>

        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list " data-p
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

        </div>

          <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
          <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branches">View a
      </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
```

```
      >

            <template data-target="ref-selector.fetchFailedTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags
            </template>

            <template data-target="ref-selector.noMatchTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div
            </template>

              <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
              <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

      </div>
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">
        </ref-selector>
      </div>
    </tab-container>
</input-demux>
```

PSYC121_2021-22/03-Week3-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;even
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>

    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-co
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>

    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path

        Copy path
```

```
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy permalink" val

        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>


  </ul>


<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compon
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164


  <div class="overflow-hidden">This commit does not belong to any branch on this repository, and


<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433583dee0cf6


<div class="Box d-flex flex-column flex-shrink-0 mb-3">


  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style="width:24p
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>


<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>


<div data-target="readme-toc.content" class="Box mt-3 position-relative">



  114 lines (66 sloc)
  <span class="file-info-divider"></span>
6.26 KB


<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/03-Week3-an


Blame


<div class="d-flex">
```

```
   <div class="SelectMenu-modal width-full">
     <div class="SelectMenu-list SelectMenu-list--borderless py-2">
       <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action=
            <button disabled="disabled" title="You must be on a branch to make or propose
            <div class="color-fg-muted">E</div>

          <a aria-label="Open this file in github.dev" data-test-selector="github-dev-lin
            <div class="mr-5 no-wrap">Open in github.dev</div>
            <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
        <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw"
          aria-label="You must be on a branch to make or propose changes to this file" ty
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1(
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1

        </button>
</div>

<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
      data-test-selector="small-screen-more-options"
      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_c
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

    </summary>

    <ul class="dropdown-menu dropdown-menu-sw" style="width: 175px">
        <li>
        </li>
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b84335
          View raw
        </a>
      </li>
        <li>
            <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_2(
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw contents

```
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8433583dee0
          View blame
        </a>
      </li>

    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-0">


<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled differently t
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectional Unicode
</span>

    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde
```

---

output:

html_document: default

pdf_document: default

Week 3: DVs and IVs in R Studio

> Written by John Towse & Tom Beesley

Pre-lab work

Last week we asked you to

- Complete the teaching dataset survey

- Prepare for the lab class with the learnr tutorial

- Complete some R Studio exercises working with data and a script to get some descriptives and some data

This week - again, there's a learnr tutorial to follow and help prep for this week's activties : <https://ma-rconnect.lancs.ac.uk/W3_LabPrep/%3E;

About 1/3 of students at the time of writing this had yet to complete the teaching survey. We'd really appreciate more completions so we can work with

a good sample of data this term, and as a reminder, the data are here: <https://lancasteruni.eu.qualtrics.com/jfe/form/SV_6rLPbl1YI8Y2WXj%3E;

Since we've got less data than we would expect, we can't yet use the data in this term's activities.

R Studio tasks

For the "penelope21" data in week 2, we provided you with estimates data, and you were able to generate descriptive statistics for the estimates (if not, please go back and work through that part of the week 2 lab sheet again). You also found the weight estimates for the female and non-female guesses, right?

However, in order to find the estimates separately for gender identity, we needed to have a column for each gender category. Whilst that worked, it could get cumbersome over time always to work with data created like that.

There is a better way

Task 1 - penelope21 data

Download the week3.zip file and upload it into R Studio server. If you need them, here are the key instructions from Week 2.

Import the "penelope21" data using the `read.csv()` command (if unsure, see here in Week 2), and launch the R script.

This week, we want to explore commands from the tidyverse library (toolkit) which can help us do more powerful things more elegantly. So let's get R to work with the tidyverse library

```
library(tidyverse)
```

(Nb. This command is the accompanying R script. You can access it from there.)

This time, let's ask for the estimate data arranged by identity:

```
aggregate(x = penelope21$estimate, by = list(penelope21$identity),
FUN = mean)
```

First, let's try this! What do you get? Does this match what we did last week when we calculated the mean for the female and for the other group?

Second, let's look at what is happening here:

`aggregate` This is a command to get descriptive statistics

Remember we can use help to find more about this command!

x=</td>

```
    <tr>
      <td id="L57" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
      <td id="LC57" class="blob-code blob-code-inner js-file-line">This defines what co
```

```
    </tr>
    <tr>
      <td id="L58" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC58" class="blob-code blob-code-inner js-file-line">
```

by=list</td>

```
    <tr>
      <td id="L60" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC60" class="blob-code blob-code-inner js-file-line">Now we tell R how to group the
    </tr>
    <tr>
      <td id="L61" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC61" class="blob-code blob-code-inner js-file-line">
```

FUN=mean</td>

```
    <tr>
      <td id="L63" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC63" class="blob-code blob-code-inner js-file-line">Specifies which descriptive fu
    </tr>
    <tr>
      <td id="L64" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC64" class="blob-code blob-code-inner js-file-line">Can you explore whether you ca
    </tr>
    <tr>
      <td id="L65" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-line
      <td id="LC65" class="blob-code blob-code-inner js-file-line">
```

group_by() {#group_by}

There's another way that also allows us to group scores by a (nominal) variable. This is explored in the learnr tutorial, which should help you create the command the get weight estimates broken down by gender identity. You need to define the data frame for the estimates data, and the gender IV and the estimates DV

MISSING %>% group_by(*MISSING*) %>% summarise(mean_estimate
= mean(*MISSING*))

First, try this command and see what you get. If you run this command as entered, it won't work. So now use your experience at skills from the above and the learnr tutorial to work out what is required.

Note

%>%</td>

```
<tr>
  <td id="L77" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum'
  <td id="LC77" class="blob-code blob-code-inner js-file-line">This is a &quot;pip
</tr>
<tr>
  <td id="L78" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum'
  <td id="LC78" class="blob-code blob-code-inner js-file-line">Provide summary stat
</tr>
<tr>
  <td id="L79" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum'
  <td id="LC79" class="blob-code blob-code-inner js-file-line">
```

The assignment operator

As well as learning about the pipe operator, we want to introduce another important element of the R command line syntax: the assignment operator.

Probably without knowing about it, we've been using this already! When a dataset is imported into R Studio from the menu, a command is created such as

penelope21 <- read.csv("~/penelope21.csv")

What this does is look for the csv datafile called 'penelope21', and assign it to an object / variable called 'penelope21'

We could create any object name we wanted (within limits of names already known to R Studio). If we wanted to work with something called "week_3_data" we could use

week_3_data <- read.csv("~/penelope21.csv")

In R Studio, we would call on "week_3_data" rather than "penelope21" in the command lines.

Task 2 - Salary20 data

Using aggregate and summarise may not seem like much progress, because they are just replicating what we had already done with mean() is week 2. However (a) this emphasizes that there are often several ways to get at the same thing in R (b) now we know about grouping, we can start to do more efficient and informative things.

Now, let's turn to the guesses made about median salary in the UK. We can get the data (created in 2020) from the file "salary20" in the week 3.zip file;

Let's take a peek at the dataset with

`glimpse(salary20)`

Glimpse pretty much does what you might think from the meaning of the word – it just gives us a data sample (handy because this is a much bigger dataset)

and shows that we have 3 columns; UK_region (where someone lives, note 'other' probably equals Northern Ireland, Europe, China, etc, family_position (age relationship with siblings), and median_salary guess.

By the way, the govt statistics say the actual median income in 2019 was approx. £30,350 <https://www.statista.com/statistics/1002964/average-full-time-annual-earnings-in-the-uk/%3E;

A) Can you use the "aggregate" command from task 1 to find out the salary guesses as a function of where someone lives? That is, can you adapt that code for this problem?

```
</tr>
<tr>
  <td id="L111" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-li
  <td id="LC111" class="blob-code blob-code-inner js-file-line">B)  Can you use the aggregat
</tr>
<tr>
  <td id="L112" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-li
  <td id="LC112" class="blob-code blob-code-inner js-file-line">C)  Can you get a breakdown
</tr>
<tr>
  <td id="L113" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-li
  <td id="LC113" class="blob-code blob-code-inner js-file-line">D)  Can you adapt the &quot;
</tr>
<tr>
  <td id="L114" class="blob-num js-line-number js-code-nav-line-number js-blob-rnum" data-li
  <td id="LC114" class="blob-code blob-code-inner js-file-line">E)  Use R Studio to figure o
</tr>
```

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>

</div>

Go

</main>

    <footer class="footer width-full container-xl p-responsive">
```

Footer

```
<div class="list-style-none d-flex flex-wrap col-0 col-lg-2 flex-justify-start flex-lg-
  <div class="mt-2 mt-lg-0 d-flex flex-items-center">
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      <svg aria-hidden="true" height="24" viewBox="0 0 16 16" version="1.1" width="24"
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```

© 2022 GitHub, Inc.

```
</div>

<nav aria-label='footer' class="col-12 col-lg-8">
  <h3 class='sr-only' id='sr-footer-heading'>Footer navigation</h3>
  <ul class="list-style-none d-flex flex-wrap col-12 flex-justify-center flex-lg-justi
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/g
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/g
      <li class="mr-3 mr-lg-0"><a data-analytics-event="{&quot;category&quot;:&quot;Foo
      <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-e
      <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to help, text:Docs" href="h
      <li class="mr-3 mr-lg-0"><a href="https://support.github.com?tags=dotcom-footer"
      <li class="mr-3 mr-lg-0"><a href="https://github.com/pricing" data-analytics-even
    <li class="mr-3 mr-lg-0"><a href="https://docs.github.com" data-analytics-event="{&
    <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event
      <li class="mr-3 mr-lg-0"><a href="https://github.blog" data-analytics-event="{&qu
      <li><a data-ga-click="Footer, go to about, text:about" href="https://github.com/a
  </ul>
</nav>

<span class="f6 color-fg-muted"></span>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss er
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>
You can't perform that action at this time.

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22
```

```
<span class="js-stale-session-flash-signed-in" hidden>You signed in with another tab or window. <
<span class="js-stale-session-flash-signed-out" hidden>You signed out in another tab or window. <


<template id="site-details-dialog">


<div class="Popover js-hovercard-content position-absolute" style="display: none; outline: none;'


<template id="snippet-clipboard-copy-button">


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  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M0 6.75C0 5.784.784 5 1.75 5h1.5a.75.75 0 010 1.5h-1.5a.25.25 0 00-.

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2


</clipboard-copy>


<style>
  .user-mention[href$="/tombeesley"] {
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    background-color: var(--color-user-mention-bg);
    border-radius: 2px;
    margin-left: -2px;
    margin-right: -2px;
    padding: 0 2px;
  }
</style>
```

<!DOCTYPE html>

PSYC121_2021-22/04-Week4-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

```
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<meta name="user-login" content="tombeesley">


<meta name="viewport" content="width=device-width">

  <meta name="description" content="Contribute to tombeesley/PSYC121_2021-22 development by creat
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="C
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
```

```
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905" />
  <meta name="twitter:image:src" content="https://opengraph.githubassets.com/f66f2547f4
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<link rel="assets" href="https://github.githubassets.com/">
  <link rel="shared-web-socket" href="wss://alive.github.com/_sockets/u/16871255/ws?ses
  <link rel="shared-web-socket-src" href="/assets-cdn/worker/socket-worker-b87581f58166


    <meta name="hostname" content="github.com">


  <meta name="keyboard-shortcuts-preference" content="all">
  <script type="application/json" id="memex_keyboard_shortcuts_preference">"all"</scrip

    <meta name="expected-hostname" content="github.com">

<meta name="enabled-features" content="ACTIONS_RUN_NAME,IMAGE_METRIC_TRACKING,GEOJSON_

    <meta data-hydrostats="publish">


<link rel="canonical" href="https://github.com/tombeesley/PSYC121_2021-22/blob/ff15dfe

  <a href="#start-of-content" class="p-3 color-bg-accent-emphasis color-fg-on-emphasis
  <span data-view-component="true" class="progress-pjax-loader Progress position-fixed
<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-

    <script crossorigin="anonymous" defer="defer" type="application/javascript" src="ht

        <header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wr

<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item d-md-none">
    <button aria-label="Toggle navigation" aria-expanded="false" type="button" data-vie
<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.7
```

```
<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form" role="sea
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-container hea
    <input type="text"
      class="form-control js-site-search-focus header-search-input jump-to-field js-jump-to-field
      data-hotkey=s,/
      name="q"
      data-test-selector="nav-search-input"
      placeholder="Search or jump to…"
      data-unscoped-placeholder="Search or jump to…"
      data-scoped-placeholder="Search or jump to…"
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      aria-expanded="false"
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        <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-jump-to-sug


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

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</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>
```

```
<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposi
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


No suggested jump to results


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

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    In this repository
  </span>
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    All GitHub
  </span>
  <span aria-hidden="true" class="d-inline-block ml-1 v-align-middle"> </span>
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<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6


</div>

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<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75


  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75


  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6
```

```
</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidd
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

      </div>
  </label>

  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>

<div class="Header-item Header-item--full flex-justify-center d-md-none position-relative">
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">


<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.235.25A2 2 0

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

      Sorry, something went wrong.
    </p>
  </include-fragment>
```

```
</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this messa
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>

  <div>{{ message }}</div>

<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
```

```
   <command-palette-mode
     data-char="/"
       data-scope-types="[&quot;repository&quot;]"
       data-placeholder="Search files"
   ></command-palette-mode>
   <command-palette-mode
     data-char="?"
   ></command-palette-mode>
   <command-palette-mode
     data-char="&gt;"
       data-placeholder="Run a command"
   ></command-palette-mode>
   <command-palette-mode
     data-char=""
       data-scope-types="[&quot;&quot;]"
       data-placeholder="Search or jump to..."
   ></command-palette-mode>
   <command-palette-mode
     data-char=""
       data-scope-types="[&quot;owner&quot;]"
       data-placeholder="Search or jump to..."
   ></command-palette-mode>
 <command-palette-mode
   class="js-command-palette-default-mode"
   data-char=""
   data-placeholder="Search or jump to..."
 ></command-palette-mode>

 <command-palette-input placeholder="Search or jump to..."

   data-action="
     command-palette-input:command-palette#onInput
     command-palette-select:command-palette#onSelect
     command-palette-descope:command-palette#onDescope
     command-palette-cleared:command-palette#onInputClear
   "
 >
   <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
     <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

   </div>
   <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
     <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
       <circle
         cx="8"
```

```
        cy="8"
        r="7"
        stroke="currentColor"
        stroke-opacity="0.25"
        stroke-width="2"
        vector-effect="non-scaling-stroke"
      ></circle>
      <path
        d="M15 8a7.002 7.002 0 00-7-7"
        stroke="currentColor"
        stroke-width="2"
        stroke-linecap="round"
        vector-effect="non-scaling-stroke"
      ></path>
    </svg>
  </div>
  <command-palette-scope >
    <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtl
        <command-palette-token
          data-text="tombeesley"
          data-id="MDQ6VXNlcjE2ODcxMjU1"
          data-type="owner"
          data-value="tombeesley"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >tombeesley<span class="color-fg-subtle text-normal">  / &nb
        <command-palette-token
          data-text="PSYC121_2021-22"
          data-id="R_kgDOGTyi1A"
          data-type="repository"
          data-value="PSYC121_2021-22"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
  </command-palette-scope>
  <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-no
    <div class="command-palette-typeahead position-absolute d-flex flex-items-center
      <span class="typeahead-segment input-mirror" data-target="command-palette-inpu
      <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
      <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
    </div>
    <input
      class="js-overlay-input typeahead-input d-none"
      disabled
```

```
          tabindex="-1"
          aria-label="Hidden input for typeahead"
        >
        <input
          type="text"
          autocomplete="off"
          autocorrect="off"
          autocapitalize="off"
          spellcheck="false"
          class="js-input typeahead-input form-control border-0 box-shadow-none input-block width-f
          aria-label="Command palette input"
          aria-haspopup="listbox"
          aria-expanded="false"
          aria-autocomplete="list"
          aria-controls="command-palette-page-stack"
          role="combobox"
          data-action="
            input:command-palette-input#onInput
            keydown:command-palette-input#onKeydown
          "
        >
      </div>
        <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input#onClear ke
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM6.03 4.97a.
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
```

```
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search discussions
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">!</kbd> to search projects
    </div>
    <div class="ml-2 flex-shrink-0">
```

```
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;owner&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">@</kbd> to search teams
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">@</kbd> to search people and organizations
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
```

```
          </div>
        </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type author:@me to search your content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:pr to filter to pull requests
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
```

```
      </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
    data-mode="#"
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type is:issue to filter to issues
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    data-mode="#"
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type is:project to filter to projects
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
    data-mode="#"
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type is:open to filter to open content
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
```

```
        </command-palette-tip>
    <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center"
        <div>
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

        </div>
        <div class="px-2">
            We've encountered an error and some results aren't available at this time. Typ
        </div>
    </command-palette-tip>
    <command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-
        No results matched your search
    </command-palette-tip>


    <div hidden>

        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
            <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
            <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
            <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
            <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="d
            <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="f
            <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
            <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
            <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="m
            <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
            <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0 1
```

```
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="pencil-colo
      <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0 16 16" vers
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="issue-opene
      <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16" version=
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="git-pull-re
      <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted" viewBox=
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="search-colo
      <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 16 16" vers
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sun-color-f
      <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 16" version
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sync-color-
      <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16 16" versic
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="trash-color
      <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16 16" versi
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="key-color-f
      <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 16" version
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="comment-dis
      <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" viewBox="0 0
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-color-
      <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16 16" versic
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-slash-
      <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
      <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
    </div>

    <command-palette-item-group
      data-group-id="top"
      data-group-title="Top result"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="0"
    >
    </command-palette-item-group>
```

```
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&q
  data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;disc
  data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
```

```
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="organizations"
  data-group-title="Organizations"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="repositories"
  data-group-title="Repositories"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="references"
  data-group-title="Issues, pull requests, and discussions"
  data-group-hint="Type # to filter"
  data-group-limits="{}"
  data-default-priority="10"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="teams"
  data-group-title="Teams"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="users"
  data-group-title="Users"
  data-group-hint=""
```

```
      data-group-limits="{}"
      data-default-priority="12"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="projects"
      data-group-title="Projects"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="13"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="footer"
      data-group-title="Footer"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="14"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="modes_help"
      data-group-title="Modes"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="15"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="filters_help"
      data-group-title="Use filters in issues, pull requests, discussions, and proj
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="16"
    >
    </command-palette-item-group>

    <command-palette-page
      data-page-title="tombeesley"
      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
      data-targets="command-palette-page-stack.defaultPages"
      hidden
    >
    </command-palette-page>
    <command-palette-page
```

```
                data-page-title="PSYC121_2021-22"
                data-scope-id="R_kgDOGTyi1A"
                data-scope-type="repository"
                data-targets="command-palette-page-stack.defaultPages"
                hidden
            >
            </command-palette-page>
        </div>

        <command-palette-page data-is-root>
        </command-palette-page>
          <command-palette-page
            data-page-title="tombeesley"
            data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
            data-scope-type="owner"
          >
          </command-palette-page>
          <command-palette-page
            data-page-title="PSYC121_2021-22"
            data-scope-id="R_kgDOGTyi1A"
            data-scope-type="repository"
          >
          </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serverDefinedPr
<server-defined-provider data-type="help" data-targets="command-palette.serverDefinedProviderEl
        <command-palette-help
          data-group="modes_help"
            data-prefix="#"
            data-scope-types="[&quot;&quot;]"
        >
          <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
            <span data-target="command-palette-help.hintElement">
              <kbd class="hx_kbd">#</kbd>
            </span>
        </command-palette-help>
        <command-palette-help
          data-group="modes_help"
            data-prefix="#"
            data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        >
          <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
            <span data-target="command-palette-help.hintElement">
              <kbd class="hx_kbd">#</kbd>
            </span>
```

```
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="@"
    data-scope-types="[&quot;&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>organ
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">@</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>proje
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
```

```
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
  <span data-target="command-palette-help.titleElement">Filter to issues</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span>
```

```
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:project</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:open"
    >
      <span data-target="command-palette-help.titleElement">Filter to open issues, pu
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:open</kbd>
        </span>
    </command-palette-help>
</server-defined-provider>

  <server-defined-provider
    data-type="commands"
    data-fetch-debounce="0"
      data-src="/command_palette/commands"
    data-supported-modes="[]"
      data-supports-commands

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="prefetched"
    data-fetch-debounce="0"
      data-src="/command_palette/jump_to_page_navigation"
    data-supported-modes="[&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/issues"
    data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
      data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/jump_to"
```

```
    data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to_members_only"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
```

```
                data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

            data-targets="command-palette.serverDefinedProviderElements"
            ></server-defined-provider>
        <server-defined-provider
          data-type="prefetched"
          data-fetch-debounce="0"
            data-src="/command_palette/recent_issues"
          data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
            data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/teams"
          data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/name_with_owner_repository"
          data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
</command-palette>


<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
```

```
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.141.14.22.331

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0A8 8 0 010

</span>
<span class="Toast-content"></span>

    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >


<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">

    <div class="flex-auto min-width-0 width-fit mr-3">
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users,
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-fram
</strong>
```

```
<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>
```

```
    </div>
```

```
      <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2p
```

```
  <li>
```

```
<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charse
    <button title="Pin this repository to your profile" type="submit" data-view-compone
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081
```

Pin

```
    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&qu
      <span
```

```
        data-target="notifications-list-subscription-form.unwatchButtonCopy"
      >
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242
```

```
        Unwatch
      </span>
      <span
        hidden
```

```
        data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
      >
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55
```

```
              Stop ignoring
            </span>
            <span
              hidden

              data-target="notifications-list-subscription-form.watchButtonCopy"
            >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

              Watch
            </span>
          </span>
            <span id="repo-notifications-counter" data-target="notifications-list-subscription-form.s
            <span class="dropdown-caret"></span>


      <details-menu
        class="SelectMenu  "
        role="menu"
        data-target="notifications-list-subscription-form.menu"


      >
        <div class="SelectMenu-modal notifications-component-menu-modal">
          <header class="SelectMenu-header">
            <h3 class="SelectMenu-title">Notifications</h3>
            <button class="SelectMenu-closeButton" type="button" aria-label="Close menu" data-actio
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

            </button>
          </header>

          <div class="SelectMenu-list">
            <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

              <input type="hidden" name="repository_id" value="423404244">

              <button
                type="submit"
                name="do"
                value="included"
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="false"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
```

```
              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                </span>
                <div>
                  <div class="f5 text-bold">
                    Participating and @mentions
                  </div>
                  <div class="text-small color-fg-muted text-normal pb-1">
                    Only receive notifications from this repository when participating o
                  </div>
                </div>
              </button>

              <button
                type="submit"
                name="do"
                value="subscribed"
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="true"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                </span>
                <div>
                  <div class="f5 text-bold">
                    All Activity
                  </div>
                  <div class="text-small color-fg-muted text-normal pb-1">
                    Notified of all notifications on this repository.
                  </div>
                </div>
              </button>

              <button
                type="submit"
                name="do"
                value="ignore"
```

```
                    class="SelectMenu-item flex-items-start"
                    role="menuitemradio"
                    aria-checked="false"
                    data-targets="notifications-list-subscription-form.subscriptionButtons"
                  >
                    <span class="f5">
                      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

                    </span>
                    <div>
                      <div class="f5 text-bold">
                        Ignore
                      </div>
                      <div class="text-small color-fg-muted text-normal pb-1">
                        Never be notified.
                      </div>
                    </div>
                  </button>

              <button
                    class="SelectMenu-item flex-items-start pr-3"
                    type="button"
                    role="menuitemradio"
                    data-target="notifications-list-subscription-form.customButton"
                    data-action="click:notifications-list-subscription-form#openCustomDialog"
                    aria-haspopup="true"
                    aria-checked="false"

                  >
                    <span class="f5">
                      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

                    </span>
                    <div>
                      <div class="d-flex flex-items-start flex-justify-between">
                        <div class="f5 text-bold">Custom</div>
                        <div class="f5 pr-1">
                          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

                        </div>
                      </div>
                      <div class="text-small color-fg-muted text-normal pb-1">
```

```
                  Select events you want to be notified of in addition to participating a
                </div>
              </div>
          </button>

            <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" 
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.7

              </span>
              <span className="text-small color-fg-muted text-normal pb-1">
                Get push notifications on <a target="_blank" rel="noopener noreferrer"
              </span>
            </div>
        </div>
      </div>
  </details-menu>

  <details-dialog
    class="notifications-component-dialog "
    data-target="notifications-list-subscription-form.customDialog"
    aria-label="Custom dialog"
    hidden
  >
    <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visibl
      <form data-target="notifications-list-subscription-form.customform" data-actio

        <input type="hidden" name="repository_id" value="423404244">

        <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3"
          <h1 class="f3 SelectMenu-title d-inline-flex">
            <button
              class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
              aria-label="Return to menu"
              type="button"
              data-action="click:notifications-list-subscription-form#closeCustomDial
            >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" 
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06

            </button>
            Custom
          </h1>
        </header>
```

```
<header class="d-none d-sm-flex flex-items-start pt-1">
  <button
    class="border-0 px-2 pt-1 m-0 Link--secondary f5"
    style="background-color: transparent;"
    aria-label="Return to menu"
    type="button"
    data-action="click:notifications-list-subscription-form#closeCustomDialog"
  >
    <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true" height="16"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

  </button>

  <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
    Custom
  </h1>
</header>

<fieldset>
  <legend>
    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-bottom mb-
      Select events you want to be notified of in addition to participating and @mentio
    </div>
  </legend>
  <div data-target="notifications-list-subscription-form.labelInputs">
  </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Issues
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
```

```
                      name="thread_types[]"
                      value="PullRequest"
                      data-targets="notifications-list-subscription-form.threadTypeCheckl
                      data-action="change:notifications-list-subscription-form#threadType

                    >
                    Pull requests
                  </label>


              </div>
              <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="Release"
                      data-targets="notifications-list-subscription-form.threadTypeCheckl
                      data-action="change:notifications-list-subscription-form#threadType

                    >
                    Releases
                  </label>


              </div>
              <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="Discussion"
                      data-targets="notifications-list-subscription-form.threadTypeCheckl
                      data-action="change:notifications-list-subscription-form#threadType

                        aria-describedby="Discussion-disabled"
                        aria-disabled="true"
                    >
                    Discussions
                  </label>

                  <div
                    id="Discussion-disabled"
                    class="color-fg-muted"
                    >
                    Discussions are not enabled for this repository
```

```
                        </div>

                    </div>
                    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                      <label class="f5 text-normal">
                        <input
                          type="checkbox"
                          name="thread_types[]"
                          value="SecurityAlert"
                          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                        >
                        Security alerts
                      </label>


                    </div>
                </fieldset>
                <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                    <button name="do" value="custom" data-target="notifications-list-subscription-form.

                    <button data-action="click:notifications-list-subscription-form#resetForm" data-cl

                </div>

        </details-dialog>


    <div class="notifications-component-dialog-overlay"></div>
  </details>
</notifications-list-subscription-form>

    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1

Fork 0

    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-37b4a5"
    class="d-flex flex-column flex-1 overflow-hidden"
```

```
<div class="SelectMenu-list"


 >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widt
```

```
<h2 class="Box-title">Unstar this repository?</h2>
```

```
<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="
```

```
<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-targe
    <input type="hidden" value="RELc1L3DOcd3RfgcWjSHHahs9d2DXVQNJp0JnegpoTz80U3BmfK9_N
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```
    </button>
  <div
    id="filter-menu-4d826e"
    class="d-flex flex-column flex-1 overflow-hidden"


    <div class="SelectMenu-list"
```

```
        >

            <include-fragment class="SelectMenu-loading" aria-label="Loading">
              <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig

    </div>

      <div id="responsive-meta-container" data-turbo-replace>


          <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-component="true'


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0 11-1.06 1.


    <span data-content="Code">Code</span>
        <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa


          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M8 0a8 8 0


    <span data-content="Issues">Issues</span>
        <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hidde


          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 01-.427.177


    <span data-content="Pull requests">Pull requests</span>
        <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0


          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00


    <span data-content="Actions">Actions</span>
        <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava


          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75


    <span data-content="Projects">Projects</span>
        <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hic


          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744
```

```
  <span data-content="Wiki">Wiki</span>
      <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 015.25 1.68A1.75 1.75 0 011

  <span data-content="Security">Security</span>
      <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a

  <span data-content="Insights">Insights</span>
      <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137

  <span data-content="Settings">Settings</span>
      <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

         <span class="sr-only">More</span>
      </div>

      <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdow

         <ul>
             <li data-menu-item="i0code-tab" hidden>
               <a role="menuitem" class="js-selected-navigation-item selected dropdown-
                 Code

             <li data-menu-item="i1issues-tab" hidden>
               <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                 Issues

             <li data-menu-item="i2pull-requests-tab" hidden>
               <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                 Pull requests
```

```
                        <li data-menu-item="i3actions-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Actions

                        <li data-menu-item="i4projects-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Projects

                        <li data-menu-item="i5wiki-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Wiki

                        <li data-menu-item="i6security-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Security

                        <li data-menu-item="i7insights-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Insights

                        <li data-menu-item="i8settings-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Settings

                </ul>

          <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
```

```
        <input data-target="input-demux.source"
               id="context-commitish-filter-field"
               class="SelectMenu-input form-control"
               aria-owns="ref-list-branches"
               data-controls-ref-menu-id="ref-list-branches"
               autofocus
               autocomplete="off"
               aria-label="Find or create a branch…"
               placeholder="Find or create a branch…"
               type="text"
        >
    </div>

    <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
      <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Bran
      <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
    </div>

    <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create
      <ref-selector
        type="branch"
        data-targets="input-demux.sinks"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        can-create
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
        prefetch-on-mouseover
      >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
        </template>

        <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDQtV2VlazQtYW5hbHlzaXMuUm1k">
```

```
<button
  class="SelectMenu-item wb-break-word"
  type="submit"
  role="menuitem"
  data-index="{{ index }}"
  data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-co
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.25 2.25 0 11

  <div>
    <span class="text-bold">Create branch: {{ refName }}</span>
    <span class="color-fg-muted">from 'ff15dfe'</span>
  </div>
</button>

      <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list " data-p
        <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

      </div>

        <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branches">View a
      </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QSU1DMTIxXzIwMjEtMjI="
```

```
        >

            <template data-target="ref-selector.fetchFailedTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags
            </template>

            <template data-target="ref-selector.noMatchTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div
            </template>

              <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
              <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

      </div>
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">
        </ref-selector>
      </div>
    </tab-container>
</input-demux>
```

PSYC121_2021-22/04-Week4-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;even
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>

    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-co
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>

    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path

        Copy path
```

```
    <li>
        <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy permalink" val

          <span class="d-flex flex-items-baseline">
            <span class="flex-auto">Copy permalink</span>
          </span>


  </ul>


<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164


  <div class="overflow-hidden">This commit does not belong to any branch on this repository, and


<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433583dee0cf6


<div class="Box d-flex flex-column flex-shrink-0 mb-3">


  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style="width:24p
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>


<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>


<div data-target="readme-toc.content" class="Box mt-3 position-relative">



  105 lines (55 sloc)
  <span class="file-info-divider"></span>
5.49 KB


<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/04-Week4-an
```

Blame

```
<div class="d-flex">
```

```
  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
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        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-link
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```

Open in GitHub Desktop

```
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        aria-label="You must be on a branch to make or propose changes to this file" ty
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      </button>
</div>


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      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
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    </summary>

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        </li>
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          View raw
        </a>
        </li>
        <li>
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```

```
        <li>
          <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8433583dee0
            View blame
          </a>
        </li>

    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-0">


<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled differently t
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectional Unicode
</span>


    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde
```

—

output:

html_document: default

pdf_document: default

—

Week 4: Z-score calculations and DVs/IVs again

> Written by John Towse & Tom Beesley

Pre-lab work

This week - again, there's a learnr tutorial to follow and help prep for what we are covering: <https://ma-rconnect.lancs.ac.uk/W4_LabPrep/%3E;

R Studio tasks

Last week we introduced two different ways to get a variable / column of scores investigated as a function of a separate column of data. In others words, describe the DV a function of an IV

Those two approaches involved

`aggregate(x = DV, by = list(IV), FUN = mean)`

and

```
data.frame %&gt;% group_by(IV) %&gt;% summarise(mean_estimate =
mean(DV))
```

Use the week 3 learnr tutorial from last week to get more hints and practice with this, if you need to, alongside the week 4 tutorial.

Task 1 - Climate change data

1. Download the week4.zip file and upload it into R Studio server. If you need them, here are the key instructions from Week 2. This week the data is called "climate". Launch the week_4 R script as before.

Step 2. Once again, we're gong to be using commands from the tidyverse library (the pipe operator is one example) so we need to ensure that it's active. Run the command:

```
library(tidyverse)
```

(Nb. This command is the accompanying R script. You can access it from there.)

In the climate data frame, there are the following variables:

human_CC - A response to the question: How much do you think human activity contributes to climate change, as a percentage of overall climate change? Please enter a value between 0 (humans do not contribute to climate change at all) and 100 (human contribute entirely to climate change).

UK_region - where in the UK you used to live

country_visits - the number of countries you have visited

visit_category - a number between 1-3

- 1 means you have visited 1-4 countries

- 2 means you have visited 5-9 countries

- 3 means you have visited more than 9 countries

Step 3. Maybe belief in human activity as a contributor to climate change varies across the UK? Find out which region of the UK has the highest and the lowest belief in the relative role of human activity in climate change. Change the following command based on what was learnt last week and the current data described above

```
Data_frame_name %&gt;% group_by(IV) %&gt;% summarise(mean_estimate
= mean(DV))
```

Step 4. Maybe views about climate change are affected by how well travelled you are? Because you see the global impacts of clmate change, or because travel (often producing carbon emissions) is a sign of not being worried. So use the

climate_change_category to look at whether there are differences in rating of human contribution to climate change.

Extra activity.

Come back to this afterwards for some extra practice if you want: Use the learnr activities to think about visualisation of the climate data. What graph(s) would be useful? How can you customise them?

Z-scores

> Hint / Reminder: Sketch a normal (z score) distribution and mark the mean/mode, and mark off the relevant parts of the question so you know what you are trying to achieve and how to interpret any calculations you make.

> Hint/ Reminder 2. For questions 6 & 7, remember that from the week 4 lecture material, typically in psychology we use the 5% level as a cutoff to decide, in broadly described terms, whether something is extreme or unlikely vs. at least somewhat plausible or likely.

z-scores 1: distributions

Q1. What is the relationship between the sign of a z-score and its position in a distribution?

Q2. If a distribution has a mean of 100 and a standard deviation of 10, what is the raw score equivalent to a z-score of 1.96?

Q3. If a distribution has a mean of 157 and a standard deviation of 19, what is the raw score equivalent to a z-score of 1?

z-scores 2: Using z-score tables

Q4. What proportion of scores lie between the mean and a z-score of 0.5?

Q5. What is the combined proportion of scores lying between z=-1.2 and z=.85?

z-scores 3: Applying z-scores to inferential problems

Q6. A Neuropsychologist has presented a test of face recognition to 200 neurotypical participants and finds that the scores are normally distributed with a mean of 85 and the standard deviation of 12. Two brain-damaged patients are also given the test. The one with right hemisphere brain damage scored 58 and the one with left hemisphere damage scored 67.

1. What is the z score of the right hemisphere patient when compared to the neurotypical group?

2. What proportion of neurotypical participants score lower that this patient?

3. Is this patient likely to belong to the population of neurotypical participants? (justify your answer)

4. What is the z score of the left hemisphere patient when compared to the neurotypical group?

5. What proportion of neurotypical participants score lower than this patient?

6. Is this patient likely to belong to the population of neurotypical participants? (justify your answer)

Extra activity

Come back to this afterwards for some extra practice if you want:

Q7. Tim Bizzley has measured the foot size of men and women and found each to be normally distributed. The men have a mean size of 55 with a standard deviation of 5 and the women a mean of 33 and a standard deviation of 5. Joanna Toes has foolishly measured two individuals but forgotten to note their gender. These have foot sizes of 37 and 47. To which gender is each more likely to belong? What evidence is there for this?

Copy lines

Copy permalink

View git blame

Reference in new issue

</div>

</div>

Go

</main>

        <footer class="footer width-full container-xl p-responsive">

Footer

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© 2022 GitHub, Inc.

</div>

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  <h3 class='sr-only' id='sr-footer-heading'>Footer navigation</h3>

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        <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-event="{&qu
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     <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event="{&quot;c
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  </ul>
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<span class="f6 color-fg-muted"></span>


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</button>
You can't perform that action at this time.


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

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    margin-right: -2px;
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```

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PSYC121_2021-22/05-Week6-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

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```

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```

```
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```

```
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  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml
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<meta property="fb:app_id" content="1401488693436528">
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```

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```
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```

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</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
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    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-2 flex-shrink-0 color-bg-subtle px-1 col
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No suggested jump to results

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  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this repository">
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  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHub">
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    In this user
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    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-2 flex-shrink-0 color-bg-subtle px-1 col
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<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
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    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    All GitHub
  </span>
  <span aria-hidden="true" class="d-inline-block ml-1 v-align-middle"> </span>
</div>
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```
<div aria-hidden="true" class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
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Pull requests Issues

Codespaces

```
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```

Explore

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<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-top-0 bord
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  tombeesley
```

Sign out

```
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```
</div>

<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">


<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.2
```

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

      Sorry, something went wrong.
    </p>
  </include-fragment>

</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this messa
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```
</button>

  <div>{{ message }}</div>

<details

class="details-reset  details-overlay  details-overlay-dark  js-command-palette-
dialog" id="command-palette-pjax-container" data-turbo-replace >

  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="/"
        data-scope-types="[&quot;repository&quot;]"
        data-placeholder="Search files"
    ></command-palette-mode>
    <command-palette-mode
      data-char="?"
    ></command-palette-mode>
    <command-palette-mode
      data-char="&gt;"
        data-placeholder="Run a command"
```

```
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;owner&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
  class="js-command-palette-default-mode"
  data-char=""
  data-placeholder="Search or jump to..."
></command-palette-mode>

<command-palette-input placeholder="Search or jump to..."

  data-action="
    command-palette-input:command-palette#onInput
    command-palette-select:command-palette#onSelect
    command-palette-descope:command-palette#onDescope
    command-palette-cleared:command-palette#onInputClear
  "
>
  <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

  </div>
  <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
    <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" wid
      <circle
        cx="8"
        cy="8"
        r="7"
        stroke="currentColor"
        stroke-opacity="0.25"
        stroke-width="2"
        vector-effect="non-scaling-stroke"
      ></circle>
      <path
        d="M15 8a7.002 7.002 0 00-7-7"
        stroke="currentColor"
        stroke-width="2"
```

```
        stroke-linecap="round"
        vector-effect="non-scaling-stroke"
      ></path>
    </svg>
</div>
<command-palette-scope >
  <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtle">/ 
      <command-palette-token
        data-text="tombeesley"
        data-id="MDQ6VXNlcjE2ODcxMjU1"
        data-type="owner"
        data-value="tombeesley"
        data-targets="command-palette-scope.tokens"
        class="color-fg-default text-semibold"
        style="white-space:nowrap;line-height:20px;"
        >tombeesley<span class="color-fg-subtle text-normal">  /  </span>
      <command-palette-token
        data-text="PSYC121_2021-22"
        data-id="R_kgDOGTyi1A"
        data-type="repository"
        data-value="PSYC121_2021-22"
        data-targets="command-palette-scope.tokens"
        class="color-fg-default text-semibold"
        style="white-space:nowrap;line-height:20px;"
        >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /  </
</command-palette-scope>
<div class="command-palette-input-group flex-1 form-control border-0 box-shadow-none" style='
  <div class="command-palette-typeahead position-absolute d-flex flex-items-center Truncate">
    <span class="typeahead-segment input-mirror" data-target="command-palette-input.mirror"><
    <span class="Truncate-text" data-target="command-palette-input.typeaheadText"></span>
    <span class="typeahead-segment" data-target="command-palette-input.typeaheadPlaceholder">
  </div>
  <input
    class="js-overlay-input typeahead-input d-none"
    disabled
    tabindex="-1"
    aria-label="Hidden input for typeahead"
  >
  <input
    type="text"
    autocomplete="off"
    autocorrect="off"
    autocapitalize="off"
    spellcheck="false"
    class="js-input typeahead-input form-control border-0 box-shadow-none input-block width-f
    aria-label="Command palette input"
```

```
          aria-haspopup="listbox"
          aria-expanded="false"
          aria-autocomplete="list"
          aria-controls="command-palette-page-stack"
          role="combobox"
          data-action="
            input:command-palette-input#onInput
            keydown:command-palette-input#onKeydown
          "
        >
      </div>
        <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM(
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cache(
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
```

```
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search discussions
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">!</kbd> to search projects
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
```

```
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search teams
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search people and organizations
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
```

```
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type author:@me to search your content
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:pr to filter to pull requests
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:issue to filter to issues
```

```
            </div>
            <div class="ml-2 flex-shrink-0">
              Type <kbd class="hx_kbd">?</kbd> for help and tips
            </div>
          </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-mode="#"
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type is:project to filter to projects
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode="#"
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type is:open to filter to open content
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
    <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" 
      <div>
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

      </div>
      <div class="px-2">
        We've encountered an error and some results aren't available at this time. Type
      </div>
    </command-palette-tip>
```

```
<command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-scope-type
  No results matched your search
</command-palette-tip>

<div hidden>

    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
      <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="0 0 16 16"
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
      <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox="0 0 16 1
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="codespaces-
      <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0 0 16 16"
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="copy-color-
      <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="dash-color-
      <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="file-color-
      <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="gear-color-
      <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="lock-color-
      <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="moon-color-
      <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16 16" versio
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="person-colo
      <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0 16 16" vers
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="pencil-colo
      <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0 16 16" vers
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="issue-opene
      <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16" version=
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="git-pull-re
      <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted" viewBox=
    </div>
    <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="search-colo
```

```
          <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 1
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
          <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 1
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
          <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="t
          <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="k
          <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 1
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
          <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" vi
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
          <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
          <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0
        </div>
        <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
          <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0
        </div>

        <command-palette-item-group
          data-group-id="top"
          data-group-title="Top result"
          data-group-hint=""
          data-group-limits="{}"
          data-default-priority="0"
        >
        </command-palette-item-group>
        <command-palette-item-group
          data-group-id="commands"
          data-group-title="Commands"
          data-group-hint="Type &gt; to filter"
          data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&qu
          data-default-priority="1"
        >
        </command-palette-item-group>
        <command-palette-item-group
          data-group-id="global_commands"
          data-group-title="Global Commands"
```

```
      data-group-hint="Type &gt; to filter"
      data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;discussion&quo
      data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
```

```
    data-group-id="organizations"
    data-group-title="Organizations"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="repositories"
    data-group-title="Repositories"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="references"
    data-group-title="Issues, pull requests, and discussions"
    data-group-hint="Type # to filter"
    data-group-limits="{}"
    data-default-priority="10"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="teams"
    data-group-title="Teams"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="users"
    data-group-title="Users"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="12"
>
</command-palette-item-group>
<command-palette-item-group
    data-group-id="projects"
    data-group-title="Projects"
    data-group-hint=""
    data-group-limits="{}"
    data-default-priority="13"
>
```

```
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="footer"
      data-group-title="Footer"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="14"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="modes_help"
      data-group-title="Modes"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="15"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="filters_help"
      data-group-title="Use filters in issues, pull requests, discussions, and projects"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="16"
    >
    </command-palette-item-group>

    <command-palette-page
      data-page-title="tombeesley"
      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
      data-targets="command-palette-page-stack.defaultPages"
      hidden
    >
    </command-palette-page>
    <command-palette-page
      data-page-title="PSYC121_2021-22"
      data-scope-id="R_kgDOGTyi1A"
      data-scope-type="repository"
      data-targets="command-palette-page-stack.defaultPages"
      hidden
    >
    </command-palette-page>
</div>

<command-palette-page data-is-root>
</command-palette-page>
```

```
    <command-palette-page
      data-page-title="tombeesley"
      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
    >
    </command-palette-page>
    <command-palette-page
      data-page-title="PSYC121_2021-22"
      data-scope-id="R_kgDOGTyi1A"
      data-scope-type="repository"
    >
    </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serve
<server-defined-provider data-type="help" data-targets="command-palette.serverDefined
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="@"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>organi
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">@</kbd>
        </span>
    </command-palette-help>
```

```
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>projects</strong
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files</strong></
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command mode</stro
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
```

```html
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
  <span data-target="command-palette-help.titleElement">Filter to issues</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</sp
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:project</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:open"
>
  <span data-target="command-palette-help.titleElement">Filter to open issues, pu
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:open</kbd>
```

```
            </span>
        </command-palette-help>
</server-defined-provider>

    <server-defined-provider
      data-type="commands"
      data-fetch-debounce="0"
        data-src="/command_palette/commands"
      data-supported-modes="[]"
        data-supports-commands

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="prefetched"
      data-fetch-debounce="0"
        data-src="/command_palette/jump_to_page_navigation"
      data-supported-modes="[&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/issues"
      data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/jump_to"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/jump_to_members_only"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"
```

```
  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/recent_issues"
  data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu
```

```
        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="remote"
        data-fetch-debounce="200"
          data-src="/command_palette/teams"
        data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
          data-supported-scope-types="[&quot;owner&quot;]"

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="remote"
        data-fetch-debounce="200"
          data-src="/command_palette/name_with_owner_repository"
        data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
          data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
</command-palette>

<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="true">
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0 1 16 4"
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.141.14.22.331

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

</span>
<span class="Toast-content"></span>
```

```
<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0

</span>
<span class="Toast-content"></span>


    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```
```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-c

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap

    <div class="flex-auto min-width-0 width-fit mr-3">


  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users,
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-fra
</strong>

<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>
```

```
    </div>

        <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2px 0;">

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charset="UTF-8"
    <button title="Pin this repository to your profile" type="submit" data-view-component="true"
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081 0 002.084

Pin

    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload
        <span


          data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

          Unwatch
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55 5 5 0 0113

          Stop ignoring
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.watchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

          Watch
        </span>
      </span>
        <span id="repo-notifications-counter" data-target="notifications-list-subscription-form.s
        <span class="dropdown-caret"></span>
```

```
<details-menu
  class="SelectMenu  "
  role="menu"
  data-target="notifications-list-subscription-form.menu"

>
    <div class="SelectMenu-modal notifications-component-menu-modal">
      <header class="SelectMenu-header">
        <h3 class="SelectMenu-title">Notifications</h3>
        <button class="SelectMenu-closeButton" type="button" aria-label="Close menu"
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" widt
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

        </button>
      </header>

      <div class="SelectMenu-list">
        <form data-target="notifications-list-subscription-form.form" data-action="su

          <input type="hidden" name="repository_id" value="423404244">

          <button
            type="submit"
            name="do"
            value="included"
            class="SelectMenu-item flex-items-start"
            role="menuitemradio"
            aria-checked="false"
            data-targets="notifications-list-subscription-form.subscriptionButtons"

          >
            <span class="f5">
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

            </span>
            <div>
              <div class="f5 text-bold">
                Participating and @mentions
              </div>
              <div class="text-small color-fg-muted text-normal pb-1">
                Only receive notifications from this repository when participating o
              </div>
            </div>
          </button>
```

```
            <button
              type="submit"
              name="do"
              value="subscribed"
              class="SelectMenu-item flex-items-start"
              role="menuitemradio"
              aria-checked="true"
              data-targets="notifications-list-subscription-form.subscriptionButtons"
            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  All Activity
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Notified of all notifications on this repository.
                </div>
              </div>
            </button>

            <button
              type="submit"
              name="do"
              value="ignore"
              class="SelectMenu-item flex-items-start"
              role="menuitemradio"
              aria-checked="false"
              data-targets="notifications-list-subscription-form.subscriptionButtons"
            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  Ignore
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Never be notified.
```

```
                      </div>
                    </div>
                  </button>

              <button
                class="SelectMenu-item flex-items-start pr-3"
                type="button"
                role="menuitemradio"
                data-target="notifications-list-subscription-form.customButton"
                data-action="click:notifications-list-subscription-form#openCustomDialog"
                aria-haspopup="true"
                aria-checked="false"

              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" wid
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                </span>
                <div>
                  <div class="d-flex flex-items-start flex-justify-between">
                    <div class="f5 text-bold">Custom</div>
                    <div class="f5 pr-1">
                      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-

                    </div>
                  </div>
                  <div class="text-small color-fg-muted text-normal pb-1">
                    Select events you want to be notified of in addition to participating a
                  </div>
                </div>
              </button>

              <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.7

                </span>
                <span className="text-small color-fg-muted text-normal pb-1">
                  Get push notifications on <a target="_blank" rel="noopener noreferrer"
                </span>
              </div>
          </div>
```

```
        </div>
      </details-menu>

      <details-dialog
        class="notifications-component-dialog "
        data-target="notifications-list-subscription-form.customDialog"
        aria-label="Custom dialog"
        hidden
      >
        <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visible">
          <form data-target="notifications-list-subscription-form.customform" data-action="submit:n

            <input type="hidden" name="repository_id" value="423404244">

            <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3">
              <h1 class="f3 SelectMenu-title d-inline-flex">
                <button
                  class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                  aria-label="Return to menu"
                  type="button"
                  data-action="click:notifications-list-subscription-form#closeCustomDialog"
                >
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

                </button>
                Custom
              </h1>
            </header>

            <header class="d-none d-sm-flex flex-items-start pt-1">
              <button
                class="border-0 px-2 pt-1 m-0 Link--secondary f5"
                style="background-color: transparent;"
                aria-label="Return to menu"
                type="button"
                data-action="click:notifications-list-subscription-form#closeCustomDialog"
              >
                <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true" height="16"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

              </button>

              <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
                Custom
```

```
      </h1>
</header>

<fieldset>
  <legend>
    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-
      Select events you want to be notified of in addition to participating a
    </div>
  </legend>
  <div data-target="notifications-list-subscription-form.labelInputs">
  </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckl
          data-action="change:notifications-list-subscription-form#threadType


        >
        Issues
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="PullRequest"
          data-targets="notifications-list-subscription-form.threadTypeCheckl
          data-action="change:notifications-list-subscription-form#threadType


        >
        Pull requests
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
```

```
      value="Release"
      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

    >
    Releases
  </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="Discussion"
      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        aria-describedby="Discussion-disabled"
        aria-disabled="true"
    >
    Discussions
  </label>

    <div
      id="Discussion-disabled"
      class="color-fg-muted"
      >
      Discussions are not enabled for this repository
    </div>

</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="SecurityAlert"
      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

    >
    Security alerts
  </label>
```

```
                </div>
            </fieldset>
            <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                <button name="do" value="custom" data-target="notifications-list-subscrip
                <button data-action="click:notifications-list-subscription-form#resetForm
            </div>
    </details-dialog>
    <div class="notifications-component-dialog-overlay"></div>
  </details>
</notifications-list-subscription-form>
    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2
```

Fork 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
    </button>
  <div
    id="filter-menu-86f24d"
    class="d-flex flex-column flex-1 overflow-hidden"

    <div class="SelectMenu-list"

    >
        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widt
<h2 class="Box-title">Unstar this repository?</h2>
<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been
</p>
```

```
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}" accept-c
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="btn-danger

<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-target" data-tu
    <input type="hidden" value="8mJ1a02pM7Guzp3tZOM_KJJK-ssn1eILS_JqBZ1RnVZK8eR-aZi3igpSqq9se-389
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 01.416 1.27
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" action="/tomb
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 01.416 1.27
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-0f20da"
    class="d-flex flex-column flex-1 overflow-hidden"

    <div class="SelectMenu-list"

      >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig

  </div>

    <div id="responsive-meta-container" data-turbo-replace>

      <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-component="true"
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0
```

```
  <span data-content="Code">Code</span>
        <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M
```

```
  <span data-content="Issues">Issues</span>
        <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 0
```

```
  <span data-content="Pull requests">Pull requests</span>
        <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100
```

```
  <span data-content="Actions">Actions</span>
        <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" titl
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v
```

```
  <span data-content="Projects">Projects</span>
        <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3
```

```
  <span data-content="Wiki">Wiki</span>
        <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="
```

```
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 011
```

```
  <span data-content="Security">Security</span>
        <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a.75.75 0 0


  <span data-content="Insights">Insights</span>
      <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137.146l.289 1


  <span data-content="Settings">Settings</span>
      <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av


<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions js-respons


        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm13 0a1.5 1.


        <span class="sr-only">More</span>
      </div>


      <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdown-menu-sw"


        <ul>
            <li data-menu-item="i0code-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item selected dropdown-item" aria-
                Code


            <li data-menu-item="i1issues-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Issues


            <li data-menu-item="i2pull-requests-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Pull requests


            <li data-menu-item="i3actions-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Actions


            <li data-menu-item="i4projects-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                Projects
```

```
                    <li data-menu-item="i5wiki-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                        Wiki

                    <li data-menu-item="i6security-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                        Security

                    <li data-menu-item="i7insights-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                        Insights

                    <li data-menu-item="i8settings-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                        Settings

            </ul>

    <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-r
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-cha
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0
    <div class="SelectMenu-filter">
      <input data-target="input-demux.source"
             id="context-commitish-filter-field"
             class="SelectMenu-input form-control"
             aria-owns="ref-list-branches"
             data-controls-ref-menu-id="ref-list-branches"
             autofocus
             autocomplete="off"
             aria-label="Find or create a branch…"
             placeholder="Find or create a branch…"
```

```
            type="text"
        >
      </div>

      <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
        <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Branches</butt
        <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
      </div>

      <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create a branch…
        <ref-selector
          type="branch"
          data-targets="input-demux.sinks"
          data-action="
            input-entered:ref-selector#inputEntered
            tab-selected:ref-selector#tabSelected
            focus-list:ref-selector#focusFirstListMember
          "
          query-endpoint="/tombeesley/PSYC121_2021-22/refs"
          can-create
          cache-key="v0:1635758695.249855"
          current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
          default-branch="bWFpbg=="
          name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
          prefetch-on-mouseover
        >

          <template data-target="ref-selector.fetchFailedTemplate">
            <div class="SelectMenu-message" data-index="{{ index }}">Could not load branches</div>
          </template>

          <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="/tombeesle
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDUtV2VlazYtYW5hbHlzaXMuUm1k">

  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-co
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.25 2.25 0 11
```

```
  <div>
    <span class="text-bold">Create branch: {{ refName }}</span>
    <span class="color-fg-muted">from 'ff15dfe'</span>
  </div>
</button>

        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

        </div>

        <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branc
      </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
      >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags
        </template>

        <template data-target="ref-selector.noMatchTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</di
        </template>

        <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list" data-pj
              <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

      </div>
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">View all t
        </ref-selector>
      </div>
  </tab-container>
</input-demux>
```

PSYC121_2021-22/05-Week6-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" data-pjax=""

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;event_type&quo
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>


    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-component="t
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>


    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path" value="C

        Copy path


    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy permalink" val

        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>

  </ul>
```

```
<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

  <div class="overflow-hidden">This commit does not belong to any branch on this reposi

<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433

<div class="Box d-flex flex-column flex-shrink-0 mb-3">

  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style=
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>

<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this ti
</div>

<div data-target="readme-toc.content" class="Box mt-3 position-relative">


  133 lines (73 sloc)
  <span class="file-info-divider"></span>
8.87 KB

<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/(

Blame

<div class="d-flex">


  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action=
          <button disabled="disabled" title="You must be on a branch to make or propose
          <div class="color-fg-muted">E</div>

        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-lin
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
      <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw" disabled
        aria-label="You must be on a branch to make or propose changes to this file" type="button
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1.75zm4.5 0V

      </button>
</div>


<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
      data-test-selector="small-screen-more-options"
      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_click&quot;
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm13 0a1.5 1.

    </summary>

    <ul class="dropdown-menu dropdown-menu-sw" style="width: 175px">
        <li>
        </li>
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a
          View raw
        </a>
      </li>
        <li>
          <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_2021-22/raw/
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw
contents

```
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8433583dee0
          View blame
        </a>
      </li>
```

```
    </ul>
  </details>
</div>

<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-

<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled di
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectiona
</span>

    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">
```

—

output:

html_document: default

pdf_document: default

—

```
{r eval=FALSE, include=FALSE}</span><span class="pl-s1"></span></td>
</tr>           <tr>            <td id="L9" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="9"></td>
<td id="LC9" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">library(<span class="pl-smi">tidyverse</span>)</span></td>
</tr>           <tr>            <td id="L10" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="10"></td>
<td id="LC10" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">load(<span class="pl-s"><span class="pl-pds">&quot;</span>tidy_data.RData
class="pl-pds">&quot;</span></span>)</span></td>            </tr>
<tr>            <td id="L11" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="11"></td>           <td id="LC11"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>           <tr>            <td id="L12" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="12"></td>
<td id="LC12" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-c"><span class="pl-c">#</span>
set up the data for Task 2</span></span></td>           </tr>
<tr>            <td id="L13" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="13"></td>           <td id="LC13"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">data</span> %<span class="pl-k">&gt;</span>%
</span></td>           </tr>           <tr>            <td id="L14"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
```

```
data-line-number="14"></td>             <td id="LC14" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  rowwise()
%<span class="pl-k">&gt;</span>% </span></td>          </tr>
<tr>            <td id="L15" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="15"></td>            <td id="LC15"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
mutate(<span class="pl-v">screen_time_actual</span> <span class="pl-k">=</span>
mean(c(<span class="pl-smi">screen_time_actual_android_h</span>,</span></td>
</tr>          <tr>            <td id="L16" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="16"></td>
<td id="LC16" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">                                   <span class="pl-smi">screen_time_actual_iphone
</tr>          <tr>            <td id="L17" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="17"></td>
<td id="LC17" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">                                   <span class="pl-v">na.rm</span>
<span class="pl-k">=</span> <span class="pl-c1">TRUE</span>))
%<span class="pl-k">&gt;</span>% </span></td>          </tr>
<tr>            <td id="L18" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="18"></td>            <td id="LC18"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
filter(<span class="pl-smi">screen_time_actual</span> <span
class="pl-k">&gt;</span> <span class="pl-c1">0</span>) %<span
class="pl-k">&gt;</span>% </span></td>          </tr>          <tr>
<td id="L19" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="19"></td>            <td id="LC19"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
select(<span class="pl-smi">phone_type</span>, <span class="pl-smi">screen_time_actual</span>,
<span class="pl-v">screen_time_estimate</span> <span class="pl-k">=</span>
<span class="pl-smi">screen_time_estimate_h</span>) %<span class="pl-k">&gt;</span>%
</span></td>          </tr>          <tr>            <td id="L20"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
data-line-number="20"></td>            <td id="LC20" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  write_csv(<span
class="pl-s"><span class="pl-pds">&quot;</span>data_phone.csv<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>            <td id="L21" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="21"></td>            <td id="LC21"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>          <tr>            <td id="L22" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="22"></td>
<td id="LC22" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-c"><span class="pl-c">#</span>
set up the data for Task 3</span></span></td>          </tr>
<tr>            <td id="L23" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="23"></td>            <td id="LC23"
```

```
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">data</span> %<span class="pl-k">&gt;</span>%
</span></td>          </tr>          <tr>              <td id="L24"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
data-line-number="24"></td>          <td id="LC24" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  select(<span
class="pl-smi">home_location</span>, <span class="pl-smi">uk_salary</span>)
%<span class="pl-k">&gt;</span>% </span></td>          </tr>
<tr>          <td id="L25" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="25"></td>          <td id="LC25"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
write_csv(<span class="pl-s"><span class="pl-pds">&quot;</span>data_salary.csv<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>          <td id="L26" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="26"></td>          <td id="LC26"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>          <tr>          <td id="L27" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="27"></td>
<td id="LC27" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span></td>          </tr>          <tr>          <td
id="L28" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="28"></td>          <td id="LC28"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

Week 6: Visualising data and binomial tests

> Written by Tom Beesley & John Towse

They say a picture paints a thousand words, so in this week's lab we will be
learning some fundamental skills in **data visualisation** with the `ggplot()`
commands. We will then conduct our first statisitical test to tell whether there
is a *real difference* in our data. You must ensure you have watched the lecture
and done the pre-lab work before coming to class.

Pre-lab work: online tutorial

To access the **pre-lab tutorial click here** (on campus, or VPN required)

Creating a new folder and project {#creating_project}

We are going to set up a new folder for this week and an RStudio *Project*. This
is a good practice for organising your scripts and data.

1. When you are logged on to the **RStudio Server**, navigate to your home
directory by clicking on the small house icon:
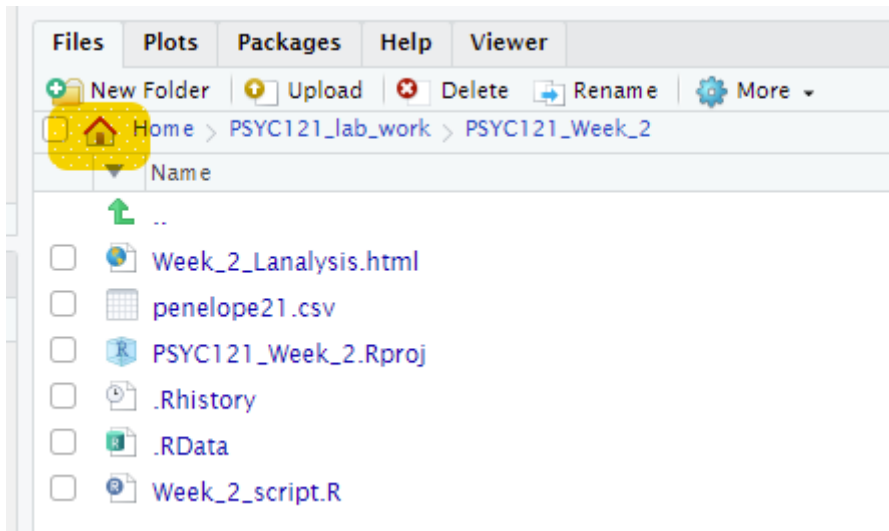
2. Click the "New Folder" button just above the home button. Name the folder something sensible (e.g., Week_6) and click OK.

3. Click on this folder and then click "More" and "Set As Working Directory". This tells RStudio that you are now working in this directory. When you read in data using `read.csv` it will know where to look for the file name that you provide.
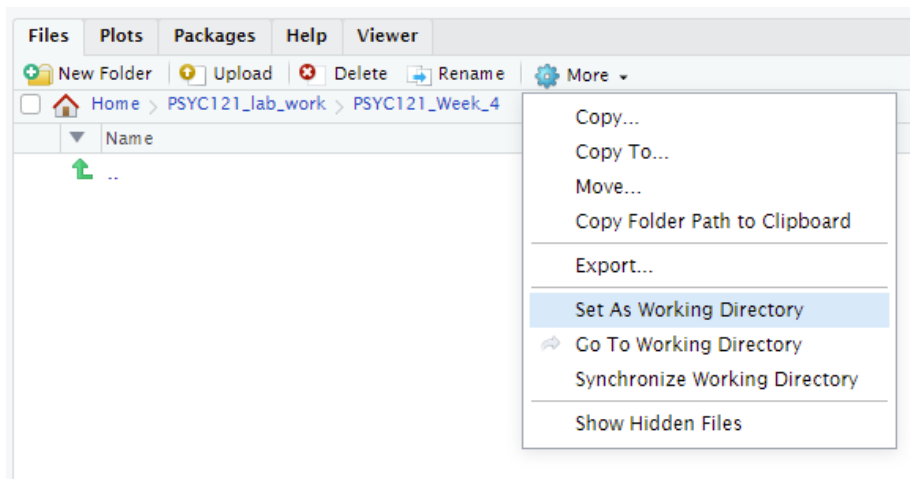
4. Let's add the files we need for this week. Download the Week_6.zip and upload it into RStudio Server. If you need them, here are the key instructions from Week 2.

5. Now let's finish this process by making this a *Project*. Click on the small blue icon in the top right of RStudio, and clicking "New Project":
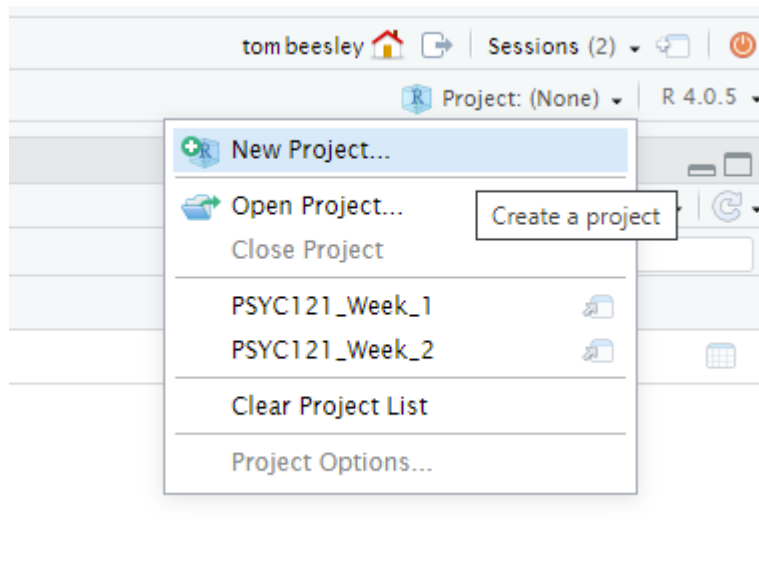
6. You may be asked to save the workspace or data - you should do this. Then select "Existing Directory" and make sure that the new directory you have created is selected as the "Project Working Directory" - it should be, if you set the working directory correctly above. If not, navigate to the correct directory here.

7. And you're done! This should now appear as a project in your front page on RStudio. You can get back to that front page by clicking the red power button in the top right corner. Using projects has many benefits. It will keep all the content for the week in one place, and save the commands you've used in the console. You can also use the *Project Menu* to navigate quickly between different projects.

Visualising phone use

It's time to put the skills you learnt in the online tutorial into practice with a new data set. In the survey, people estimated their daily phone use, and then looked up the actual time their phones were on. This data is provided in the zip file.

1. Open the script "Week_6_script.R". This is the script file you will use for this task and the next one (3).

2. Run the first two lines of code `library(tidyverse)` and `data_w6 <-read_csv("data_phone.csv")`. Note that the `read_csv()` function is another way to import data. A shortcut version of using the "Import Dataset" action.

3. You should now have an object in environment called `data_w6`. You can view this (the "spreadsheet view") by clicking on the object.

4. Try running the ggplot command. You will see that this generates an error in red. Oh no!! Don't panic. Look at what it's telling you is wrong. Let's look at the ggplot command and edit it to make it display something. As a reminder from the online tutorial:

> The main graphing command is `ggplot()` which tells R we want to draw some kind of plot. If you want to, you can just run `data_w6 %>% ggplot()`, and you'll see that R produces just a blank plot window. The plot is blank because we haven't told it a) what type of plot we want, and b) what data to plot.

>Note that the next line is **added** to `ggplot()` (i.e., `ggplot() + geom_point()`). Plotting with `ggplot()` involves adding elements (geoms) together. Think of it as adding layers on top of each other: the ggplot() is your pizza base, and the geoms and other features are the toppings!

> Within the `geom_point()` command we have the very important command of `aes()`. This stands for **aesthetics**. `aes()` tells ggplot how the data should be represented on the features of the plot.

5. Add y and x components inside the `aes()` command. These are used to map variables in your data to the features of the graph. If you are stuck on this, it's time to go back and look at the

6. Inside the `aes()` command, map the variable *screen_time_estimate* to the x axis, and the variable *screen_time_actual* to the y axis. In general, does it look like people's estimates were accurate?

7. Add a setting for *colour* outside of the `aes()`, to make all the points red. Why outside of `aes()`? Well remember from the online tutorial:

> Careful observation of the code here will show you that these new commands are written **outside** of the `aes()` command. This is really important to note. We write these outside of `aes()` because these features of the plot **are not related to the data**. We are NOT *mapping* any of our data to these features. Instead, we are simply specifying one particular value for each of these "settings" in the plot

8. Now map the *colour* to the variable *phone_type* (within `aes()`). Can you see any differences between people who have different phones?

9. Try changing your `geom_point()` command to `geom_jitter()` (keeping the mappings the same). Suddenly this reveals many more points! Why is this? Check the help to find out more about this geom: `?geom_jitter`.

Conducting a binomial test

Let's now look at whether these differences we see are meaningful. Do people estimate their daily screen time to be more than it actually is? There are two blocks of code to run here. You don't have to edit these, but it's important to look at what they are doing:

1. Run the first block of code. This adds a new column to the data, *est_diff*, which means the "estimate difference": actual screen time minus estimated screen time. You can take a look at this code by clicking on the new object in the environment, *data_phone_diff*. What do the positive and negative values reflect?

2. Run the second block of code. This filters out (!= means "not equal to") the zero values in the est_diff column. Why is this important for the sign test?

3. The result of the final line of code (`count()`) will be output in the console. This tells us how many values were above 0 (TRUE) and how many below zero (FALSE). This is all the information we need to conduct our statistical test:

+ How many positive values were there (above 0)?.

+ How many observations were there in total?

+ Add these two values to the two "MISSING" values in code for the binomial test

+ Run the test and read the output - and take note of the "p-value"

+ This tells us how likely such a result would be if the null hypothesis was true.

+ Does this mean there is a significant over or underestimate in people's estimates of phone time usage?

Plot labels and themes

Visualising data is all about communication: how can I communicate my results so that it makes the data very easy to interpret. Try these additional steps:

1. Add a `labs()` layer to modify text on the graph. If you're not sure how to do this, then feel free to go back to the online tutorial, or take a look at the help wiht `?labs`. Try changing the axis titles and add a title for the graph.

2. Change the theme of the graph. Try `?theme_classic` for help.

3. Graphs can be saved by clicking *Export*, then *Save as image*. Set the dimensions to how you like it to look, give it a suitable filename, and click save.

Answers

When you have completed all of the lab content, you may want to check your answers with our completed version of the script for this week. **Remember**, looking at this script (studying/revising it) does not replace the process of working through the lab activities, trying them out for yourself, getting stuck, asking questions, finding solutions, adding your own comments, etc. **Actively engaging** with the material is the way to learn these analysis skills, not by looking at someone else's completed code…

Download the answers script

Copy lines

Copy permalink

View git blame

Reference in new issue

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</div>

Go

</main>

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```

Footer

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© 2022 GitHub, Inc.

```
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```

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  }
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· tombeesley/PSYC121_2021-22

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    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHub">
    All GitHub
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No suggested jump to results

```
   <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75
```

```
   <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75
```

```
   <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6
```

```
</div>
```

```
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea
```

```
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
```

```
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposi
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16l

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" v
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHu
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  Jump to
```

```
    <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>

    <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

    <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

    <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" height="32"

      </div>
  </label>

  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-self-auto'
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-white-fade
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
```

```
<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>
```

```
<div class="Header-item Header-item--full flex-justify-center d-md-none position-relat
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

```
</div>
```

```
<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">
```

```
<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.2
```

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164


      Sorry, something went wrong.
    </p>
  </include-fragment>

</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this message">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</button>

  <div>{{ message }}</div>

<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-
dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
```

```
        data-char="!"
          data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
          data-placeholder="Search projects"
      ></command-palette-mode>
      <command-palette-mode
        data-char="@"
          data-scope-types="[&quot;&quot;]"
          data-placeholder="Search or jump to a user, organization, or repository"
      ></command-palette-mode>
      <command-palette-mode
        data-char="@"
          data-scope-types="[&quot;owner&quot;]"
          data-placeholder="Search or jump to a repository"
      ></command-palette-mode>
      <command-palette-mode
        data-char="/"
          data-scope-types="[&quot;repository&quot;]"
          data-placeholder="Search files"
      ></command-palette-mode>
      <command-palette-mode
        data-char="?"
      ></command-palette-mode>
      <command-palette-mode
        data-char="&gt;"
          data-placeholder="Run a command"
      ></command-palette-mode>
      <command-palette-mode
        data-char=""
          data-scope-types="[&quot;&quot;]"
          data-placeholder="Search or jump to..."
      ></command-palette-mode>
      <command-palette-mode
        data-char=""
          data-scope-types="[&quot;owner&quot;]"
          data-placeholder="Search or jump to..."
      ></command-palette-mode>
    <command-palette-mode
      class="js-command-palette-default-mode"
      data-char=""
      data-placeholder="Search or jump to..."
    ></command-palette-mode>

    <command-palette-input placeholder="Search or jump to..."

      data-action="
        command-palette-input:command-palette#onInput
```

```
        command-palette-select:command-palette#onSelect
        command-palette-descope:command-palette#onDescope
        command-palette-cleared:command-palette#onInputClear
      "
  >
    <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

    </div>
    <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
      <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
        <circle
          cx="8"
          cy="8"
          r="7"
          stroke="currentColor"
          stroke-opacity="0.25"
          stroke-width="2"
          vector-effect="non-scaling-stroke"
        ></circle>
        <path
          d="M15 8a7.002 7.002 0 00-7-7"
          stroke="currentColor"
          stroke-width="2"
          stroke-linecap="round"
          vector-effect="non-scaling-stroke"
        ></path>
      </svg>
    </div>
    <command-palette-scope >
      <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtle">/ 
          <command-palette-token
            data-text="tombeesley"
            data-id="MDQ6VXNlcjE2ODcxMjU1"
            data-type="owner"
            data-value="tombeesley"
            data-targets="command-palette-scope.tokens"
            class="color-fg-default text-semibold"
            style="white-space:nowrap;line-height:20px;"
            >tombeesley<span class="color-fg-subtle text-normal">  /  </span>
          <command-palette-token
            data-text="PSYC121_2021-22"
            data-id="R_kgDOGTyi1A"
            data-type="repository"
            data-value="PSYC121_2021-22"
```

```
                data-targets="command-palette-scope.tokens"
                class="color-fg-default text-semibold"
                style="white-space:nowrap;line-height:20px;"
                >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
      </command-palette-scope>
      <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-nor
        <div class="command-palette-typeahead position-absolute d-flex flex-items-center
          <span class="typeahead-segment input-mirror" data-target="command-palette-input
          <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
          <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
        </div>
        <input
          class="js-overlay-input typeahead-input d-none"
          disabled
          tabindex="-1"
          aria-label="Hidden input for typeahead"
        >
        <input
          type="text"
          autocomplete="off"
          autocorrect="off"
          autocapitalize="off"
          spellcheck="false"
          class="js-input typeahead-input form-control border-0 box-shadow-none input-bl
          aria-label="Command palette input"
          aria-haspopup="listbox"
          aria-expanded="false"
          aria-autocomplete="list"
          aria-controls="command-palette-page-stack"
          role="combobox"
          data-action="
            input:command-palette-input#onInput
            keydown:command-palette-input#onKeydown
          "
        >
      </div>
        <div data-view-component="true" class="position-relative d-inline-block">
  <button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input
  <path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
```

```
      data-default-scope-id="R_kgDOGTyi1A"
      data-default-scope-type="Repository"
      data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
    >
        <command-palette-tip
          class="color-fg-muted f6 px-3 py-1 my-2"
            data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
          data-mode=""
          data-value="">
          <div class="d-flex flex-items-start flex-justify-between">
            <div>
              <span class="text-bold">Tip:</span>
                Type <kbd class="hx_kbd">#</kbd> to search pull requests
            </div>
            <div class="ml-2 flex-shrink-0">
              Type <kbd class="hx_kbd">?</kbd> for help and tips
            </div>
          </div>
        </command-palette-tip>
        <command-palette-tip
          class="color-fg-muted f6 px-3 py-1 my-2"
            data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
          data-mode=""
          data-value="">
          <div class="d-flex flex-items-start flex-justify-between">
            <div>
              <span class="text-bold">Tip:</span>
                Type <kbd class="hx_kbd">#</kbd> to search issues
            </div>
            <div class="ml-2 flex-shrink-0">
              Type <kbd class="hx_kbd">?</kbd> for help and tips
            </div>
          </div>
        </command-palette-tip>
        <command-palette-tip
          class="color-fg-muted f6 px-3 py-1 my-2"
            data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
          data-mode=""
          data-value="">
          <div class="d-flex flex-items-start flex-justify-between">
            <div>
              <span class="text-bold">Tip:</span>
                Type <kbd class="hx_kbd">#</kbd> to search discussions
            </div>
            <div class="ml-2 flex-shrink-0">
              Type <kbd class="hx_kbd">?</kbd> for help and tips
```

```
        </div>
      </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">!</kbd> to search projects
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;owner&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">@</kbd> to search teams
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
  </command-palette-tip>
  <command-palette-tip
    class="color-fg-muted f6 px-3 py-1 my-2"
      data-scope-types="[&quot;&quot;]"
    data-mode=""
    data-value="">
    <div class="d-flex flex-items-start flex-justify-between">
      <div>
        <span class="text-bold">Tip:</span>
          Type <kbd class="hx_kbd">@</kbd> to search people and organizations
      </div>
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
```

```
        </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type author:@me to search your content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
```

```
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:pr to filter to pull requests
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:issue to filter to issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:project to filter to projects
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
```

```
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:open to filter to open content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
  <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" data-scope-
    <div>
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164
```

```
    </div>
      <div class="px-2">
        We've encountered an error and some results aren't available at this time. Type a new sea
      </div>
  </command-palette-tip>
  <command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-scope-type
    No results matched your search
  </command-palette-tip>


  <div hidden>

      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
        <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="0 0 16 16"
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="arrow-right
        <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox="0 0 16 1
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="codespaces-
        <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0 0 16 16"
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="copy-color-
        <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16 16" versic
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="dash-color-
        <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16 16" versic
      </div>
```

```
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id=":
  <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
  <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
  <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="m
  <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
  <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
  <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="i
  <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
  <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="s
  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="t
  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="k
  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" vi
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="b
```

```
    <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
    <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
  data-group-id="top"
  data-group-title="Top result"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="0"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&quot;pull_re
  data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;discussion&quo
  data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
```

```
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="organizations"
  data-group-title="Organizations"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="repositories"
  data-group-title="Repositories"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="references"
  data-group-title="Issues, pull requests, and discussions"
  data-group-hint="Type # to filter"
  data-group-limits="{}"
  data-default-priority="10"
```

```
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="teams"
  data-group-title="Teams"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="users"
  data-group-title="Users"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="12"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="projects"
  data-group-title="Projects"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="13"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="footer"
  data-group-title="Footer"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="14"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="modes_help"
  data-group-title="Modes"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="15"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="filters_help"
  data-group-title="Use filters in issues, pull requests, discussions, and projects"
  data-group-hint=""
```

```
                data-group-limits="{}"
                data-default-priority="16"
              >
              </command-palette-item-group>

              <command-palette-page
                data-page-title="tombeesley"
                data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
                data-scope-type="owner"
                data-targets="command-palette-page-stack.defaultPages"
                hidden
              >
              </command-palette-page>
              <command-palette-page
                data-page-title="PSYC121_2021-22"
                data-scope-id="R_kgDOGTyi1A"
                data-scope-type="repository"
                data-targets="command-palette-page-stack.defaultPages"
                hidden
              >
              </command-palette-page>
          </div>

          <command-palette-page data-is-root>
          </command-palette-page>
            <command-palette-page
              data-page-title="tombeesley"
              data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
              data-scope-type="owner"
            >
            </command-palette-page>
            <command-palette-page
              data-page-title="PSYC121_2021-22"
              data-scope-id="R_kgDOGTyi1A"
              data-scope-type="repository"
            >
            </command-palette-page>
        </command-palette-page-stack>

    <server-defined-provider data-type="search-links" data-targets="command-palette.serve
    <server-defined-provider data-type="help" data-targets="command-palette.serverDefined
        <command-palette-help
          data-group="modes_help"
            data-prefix="#"
            data-scope-types="[&quot;&quot;]"
        >
```

```
    <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">#</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="#"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">#</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="@"
    data-scope-types="[&quot;&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>organizations, r
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">@</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>projects</strong
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files</strong></
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
```

```
    data-group="modes_help"
      data-prefix="&gt;"
>
    <span data-target="command-palette-help.titleElement">Activate <strong>command
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd">&gt;</kbd>
      </span>
</command-palette-help>
<command-palette-help
    data-group="filters_help"
      data-prefix="# author:@me"
>
    <span data-target="command-palette-help.titleElement">Search your issues, pull
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
    data-group="filters_help"
      data-prefix="# author:@me"
>
    <span data-target="command-palette-help.titleElement">Search your issues, pull
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
    data-group="filters_help"
      data-prefix="# is:pr"
>
    <span data-target="command-palette-help.titleElement">Filter to pull requests</
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># is:pr</kbd>
      </span>
</command-palette-help>
<command-palette-help
    data-group="filters_help"
      data-prefix="# is:issue"
>
    <span data-target="command-palette-help.titleElement">Filter to issues</span>
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># is:issue</kbd>
      </span>
</command-palette-help>
<command-palette-help
    data-group="filters_help"
```

```
      data-prefix="# is:discussion"
      data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Filter to discussions</span>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:discussion</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:project"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Filter to projects</span>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:project</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:open"
    >
      <span data-target="command-palette-help.titleElement">Filter to open issues, pull request
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:open</kbd>
        </span>
    </command-palette-help>
</server-defined-provider>

  <server-defined-provider
    data-type="commands"
    data-fetch-debounce="0"
      data-src="/command_palette/commands"
    data-supported-modes="[]"
      data-supports-commands

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="prefetched"
    data-fetch-debounce="0"
      data-src="/command_palette/jump_to_page_navigation"
    data-supported-modes="[&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
```

```
></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/issues"
  data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&q

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/jump_to_members_only"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
```

```
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/recent_issues"
  data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/teams"
  data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/name_with_owner_repository"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
</command-palette>
```

```
<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.14
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0
</span>
<span class="Toast-content"></span>


    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```

```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">

    <div class="flex-auto min-width-0 width-fit mr-3">



  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users/tombeesley
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-frame" href="/
</strong>

<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>

    </div>

      <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2px 0;">

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charset="UTF-8"
    <button title="Pin this repository to your profile" type="submit" data-view-component="true"
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081 0 002.084

Pin

    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload
        <span
```

```
              data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

            Unwatch
        </span>
        <span
          hidden

            data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55

            Stop ignoring
        </span>
        <span
          hidden

            data-target="notifications-list-subscription-form.watchButtonCopy"
        >
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

            Watch
        </span>
      </span>
        <span id="repo-notifications-counter" data-target="notifications-list-subscript
      <span class="dropdown-caret"></span>

    <details-menu
      class="SelectMenu  "
      role="menu"
      data-target="notifications-list-subscription-form.menu"

    >
      <div class="SelectMenu-modal notifications-component-menu-modal">
        <header class="SelectMenu-header">
          <h3 class="SelectMenu-title">Notifications</h3>
          <button class="SelectMenu-closeButton" type="button" aria-label="Close menu"
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" widt
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

          </button>
```

```
        </header>

        <div class="SelectMenu-list">
          <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

            <input type="hidden" name="repository_id" value="423404244">

            <button
              type="submit"
              name="do"
              value="included"
              class="SelectMenu-item flex-items-start"
              role="menuitemradio"
              aria-checked="false"
              data-targets="notifications-list-subscription-form.subscriptionButtons"

            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  Participating and @mentions
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Only receive notifications from this repository when participating or @mentione
                </div>
              </div>
            </button>

            <button
              type="submit"
              name="do"
              value="subscribed"
              class="SelectMenu-item flex-items-start"
              role="menuitemradio"
              aria-checked="true"
              data-targets="notifications-list-subscription-form.subscriptionButtons"
            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
```

```
            <div>
              <div class="f5 text-bold">
                All Activity
              </div>
              <div class="text-small color-fg-muted text-normal pb-1">
                Notified of all notifications on this repository.
              </div>
            </div>
          </button>

          <button
            type="submit"
            name="do"
            value="ignore"
            class="SelectMenu-item flex-items-start"
            role="menuitemradio"
            aria-checked="false"
            data-targets="notifications-list-subscription-form.subscriptionButtons"
          >
            <span class="f5">
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" 
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

            </span>
            <div>
              <div class="f5 text-bold">
                Ignore
              </div>
              <div class="text-small color-fg-muted text-normal pb-1">
                Never be notified.
              </div>
            </div>
          </button>

        <button
          class="SelectMenu-item flex-items-start pr-3"
          type="button"
          role="menuitemradio"
          data-target="notifications-list-subscription-form.customButton"
          data-action="click:notifications-list-subscription-form#openCustomDialog"
          aria-haspopup="true"
          aria-checked="false"

        >
          <span class="f5">
```

```
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="d-flex flex-items-start flex-justify-between">
                  <div class="f5 text-bold">Custom</div>
                  <div class="f5 pr-1">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

                  </div>
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Select events you want to be notified of in addition to participating and @mentic
                </div>
              </div>
          </button>

            <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.75h8.5A1.75

              </span>
              <span className="text-small color-fg-muted text-normal pb-1">
                Get push notifications on <a target="_blank" rel="noopener noreferrer" href="http
              </span>
            </div>
        </div>
      </div>
    </details-menu>

    <details-dialog
      class="notifications-component-dialog "
      data-target="notifications-list-subscription-form.customDialog"
      aria-label="Custom dialog"
      hidden
    >
      <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visible">
        <form data-target="notifications-list-subscription-form.customform" data-action="submit:r

          <input type="hidden" name="repository_id" value="423404244">

          <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3">
```

```
            <h1 class="f3 SelectMenu-title d-inline-flex">
              <button
                class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                aria-label="Return to menu"
                type="button"
                data-action="click:notifications-list-subscription-form#closeCustomDial
              >
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06


              </button>
              Custom
            </h1>
          </header>

          <header class="d-none d-sm-flex flex-items-start pt-1">
            <button
              class="border-0 px-2 pt-1 m-0 Link--secondary f5"
              style="background-color: transparent;"
              aria-label="Return to menu"
              type="button"
              data-action="click:notifications-list-subscription-form#closeCustomDialog
            >
                <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06


            </button>

            <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
              Custom
            </h1>
          </header>

          <fieldset>
            <legend>
              <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-
                Select events you want to be notified of in addition to participating a
              </div>
            </legend>
            <div data-target="notifications-list-subscription-form.labelInputs">
            </div>
              <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                <label class="f5 text-normal">
                  <input
                    type="checkbox"
```

```
        name="thread_types[]"
        value="Issue"
        data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
        data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

      >
      Issues
    </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="PullRequest"
      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

    >
    Pull requests
  </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="Release"
      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

    >
    Releases
  </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
```

```
                        value="Discussion"
                        data-targets="notifications-list-subscription-form.threadTypeCheckb
                        data-action="change:notifications-list-subscription-form#threadType

                          aria-describedby="Discussion-disabled"
                          aria-disabled="true"
                      >
                        Discussions
                    </label>

                      <div
                        id="Discussion-disabled"
                        class="color-fg-muted"
                        >
                        Discussions are not enabled for this repository
                      </div>

                  </div>
                  <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                    <label class="f5 text-normal">
                      <input
                        type="checkbox"
                        name="thread_types[]"
                        value="SecurityAlert"
                        data-targets="notifications-list-subscription-form.threadTypeCheckb
                        data-action="change:notifications-list-subscription-form#threadType

                      >
                      Security alerts
                    </label>


                  </div>
              </fieldset>
              <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                  <button name="do" value="custom" data-target="notifications-list-subscrip

                  <button data-action="click:notifications-list-subscription-form#resetForm

              </div>

          </details-dialog>


          <div class="notifications-component-dialog-overlay"></div>
```

```
    </details>
</notifications-list-subscription-form>


    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1
```

Fork 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9
```

```
    </button>
  <div
    id="filter-menu-4fc1f5"
    class="d-flex flex-column flex-1 overflow-hidden"


    <div class="SelectMenu-list"


    >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig
```

```
<h2 class="Box-title">Unstar this repository?</h2>
```

```
<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been added to.
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}" accept-c
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="btn-danger
```

```
<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-target" data-tu
    <input type="hidden" value="TvMy8eDCTaPSSGT1TR3Q0Uk6wsOJQ-vn6gOlKeP9ZRD2YKPkxPPJmHbUU7dFhQIFI
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 01.416 1.27
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 (
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```
    </button>
  <div
    id="filter-menu-4c1c51"
    class="d-flex flex-column flex-1 overflow-hidden"
```

     <div class="SelectMenu-list"

```
    >
```

```
        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widtl
```

```
  </div>
```

```
    <div id="responsive-meta-container" data-turbo-replace>
```

```
      <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-compo
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1(
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0
```

```
  <span data-content="Code">Code</span>
      <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title='
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1(
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="I
```

```
  <span data-content="Issues">Issues</span>
      <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" titl(
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1(
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 (
```

```
   <span data-content="Pull requests">Pull requests</span>
       <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00

   <span data-content="Actions">Actions</span>
       <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75

   <span data-content="Projects">Projects</span>
       <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0 hid

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744

   <span data-content="Wiki">Wiki</span>
       <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 0115 3.48V7c0

   <span data-content="Security">Security</span>
       <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept="text/fra

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a.75.75 0 0

   <span data-content="Insights">Insights</span>
       <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137.146l.289 1

   <span data-content="Settings">Settings</span>
       <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not av

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions js-respons

         <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm13 0a1.5 1.
```

```
        <span class="sr-only">More</span>
</div>


<details-menu role="menu" data-view-component="true" class="dropdown-menu dropdo

    <ul>
        <li data-menu-item="i0code-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item selected dropdown-
            Code

        <li data-menu-item="i1issues-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Issues

        <li data-menu-item="i2pull-requests-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Pull requests

        <li data-menu-item="i3actions-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Actions

        <li data-menu-item="i4projects-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Projects

        <li data-menu-item="i5wiki-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Wiki

        <li data-menu-item="i6security-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Security

        <li data-menu-item="i7insights-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Insights

        <li data-menu-item="i8settings-tab" hidden>
          <a role="menuitem" class="js-selected-navigation-item dropdown-item" dat
            Settings

    </ul>
```

```
    <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
      <input data-target="input-demux.source"
             id="context-commitish-filter-field"
             class="SelectMenu-input form-control"
             aria-owns="ref-list-branches"
             data-controls-ref-menu-id="ref-list-branches"
             autofocus
             autocomplete="off"
             aria-label="Find or create a branch…"
             placeholder="Find or create a branch…"
             type="text"
      >
    </div>

    <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
      <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Branches</butt
      <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
    </div>

    <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create a branch…
      <ref-selector
        type="branch"
        data-targets="input-demux.sinks"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
```

```
        can-create
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
        prefetch-on-mouseover
    >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
        </template>

            <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDYtV2VlazctYW5hbHlzaXMuUm1k">

  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payloa
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.2

    <div>
      <span class="text-bold">Create branch: {{ refName }}</span>
      <span class="color-fg-muted">from 'ff15dfe'</span>
    </div>
  </button>

        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

        </div>

        <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branc
```

```
            </ref-selector>

        </div>

        <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden
          <ref-selector
            type="tag"
            data-action="
              input-entered:ref-selector#inputEntered
              tab-selected:ref-selector#tabSelected
              focus-list:ref-selector#focusFirstListMember
            "
            data-targets="input-demux.sinks"
            query-endpoint="/tombeesley/PSYC121_2021-22/refs"
            cache-key="v0:1635758695.249855"
            current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
            default-branch="bWFpbg=="
            name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
          >

            <template data-target="ref-selector.fetchFailedTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags</div>
            </template>

            <template data-target="ref-selector.noMatchTemplate">
              <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div>
            </template>

              <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list" data-pj
              <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
                <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

      </div>
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">View all t
        </ref-selector>
      </div>
    </tab-container>
</input-demux>
```

PSYC121_2021-22/06-Week7-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" dat

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;ever
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>

    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-co
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>

    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path

        Copy path

    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy perm

        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>

  </ul>

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<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

  <div class="overflow-hidden">This commit does not belong to any branch on this repos:

<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433

<div class="Box d-flex flex-column flex-shrink-0 mb-3">

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  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>
```

```
<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>
```

```
<div data-target="readme-toc.content" class="Box mt-3 position-relative">
```

```
  79 lines (43 sloc)
  <span class="file-info-divider"></span>
6.78 KB
```

```
<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/06-Week7-an
```

Blame

```
<div class="d-flex">
```

```
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    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action="/tombeesl
          <button disabled="disabled" title="You must be on a branch to make or propose changes t
          <div class="color-fg-muted">E</div>
```

```
        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-link" data-dr
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
      <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw" disabled
        aria-label="You must be on a branch to make or propose changes to this file" type="button
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1.75zm4.5 0V
```

```
      </button>
</div>
```

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    >
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<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

    </summary>

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         View raw
        </a>
      </li>
        <li>
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```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw
contents

```
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           View blame
          </a>
        </li>

    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-

<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled di:
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectiona
</span>
```

```
    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde
```

—

output:

html_document: default

pdf_document: default

—

```
{r eval=FALSE, include=FALSE}</span><span class="pl-s1"></span></td>
</tr>          <tr>             <td id="L9" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="9"></td>
<td id="LC9" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">library(<span class="pl-smi">tidyverse</span>)</span></td>
</tr>          <tr>             <td id="L10" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="10"></td>
<td id="LC10" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">load(<span class="pl-s"><span class="pl-pds">&quot;</span>tidy_data.RData<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>          <td id="L11" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="11"></td>          <td id="LC11"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>          <tr>             <td id="L12" class="blob-num js-line-number
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<td id="LC12" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-c"><span class="pl-c">#</span>
set up the data for Task 3</span></span></td>          </tr>
<tr>          <td id="L13" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="13"></td>          <td id="LC13"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">data</span> %<span class="pl-k">&gt;</span>%
</span></td>          </tr>          <tr>             <td id="L14"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
data-line-number="14"></td>          <td id="LC14" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  select(<span
class="pl-smi">home_location</span>, <span class="pl-smi">uk_salary</span>)
%<span class="pl-k">&gt;</span>% </span></td>          </tr>
<tr>          <td id="L15" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="15"></td>          <td id="LC15"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
write_csv(<span class="pl-s"><span class="pl-pds">&quot;</span>data_salary.csv<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>          <td id="L16" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="16"></td>          <td id="LC16"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
```

```
</tr>          <tr>              <td id="L17" class="blob-num js-line-number
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<td id="LC17" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span></td>          </tr>          <tr>              <td
id="L18" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="18"></td>          <td id="LC18"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

Week 7: One-sample t-test on salary estimates

> Written by Tom Beesley & John Towse

Today we will look in a bit more detail at people's estimates of the average UK salary. We will first plot this data using `geom_histogram()` and also `geom_boxplot()`. When we do this, we'll see that there are some unusual values, and we'll need to do a bit of **data wrangling** to remove them, using the `filter()` command. We'll then turn to the conceptual ideas of the lecture - how can we tell if the mean of our sample is unusual, or whether we would actually expect this mean value under the null hypothesis? Finally, we'll continue to develop our skills in **data visualisation** by exploring `geom_density()` plots.

Pre-lab work: online tutorial

Online tutorial: You must make every attempt to complete this before the lab! To access the **pre-lab tutorial click here** (on campus, or VPN required)

Getting ready for the lab class

1. Create a folder and a Project for Week 7. Click here for the instructions from last week if you are unsure.

2. Download the Week_7.zip and upload it into this new folder in RStudio Server. If you need them, here are the instructions from Week 2.

Plotting and filtering

Important! - You should be using the Week_7_script as you work through these tasks. Edit the script to complete the tasks. Running code from the script is easy - place your cursor on the line or block of code you want to run and press "run" (of ctrl/cmd+enter). See the video on Moodle if you're unsure. Save your script as you go to keep a record of your work.

1. Open the Week_7_script and run the `library`, `options` and `read_csv` commands. The `options` command is new. It is very cryptic and you don't need to worry too much about this - it is making sure that the values in the graphs are displayed as regular numbers and not as scientific notation.

2. Complete the `geom_histogram()` code to plot the distribution of salary data

3. OK - we've got some pretty funky values here! Some people think the average salary is over £300,000!!! Well, maybe they just added too many zeros (let's

give them the benefit of the doubt). Quite often when we get our "raw" data, it contains weird values like this that we need to consider removing. Let's run the `arrange()` code now to see what exactly those high values are.

4. We'll need to remove these high values to get a better sense of the distribution. Let's use a `filter()` command to do this. We need to make a decision about what values to exclude. In later labs we'll look at a more systematic process of removing *outliers*, but for now, let's just remove any that are over £200,000. Edit the `filter()` command to keep only those estimates that are *below* £200,000 (<). Remeber that the filter command *keeps* the data that is *TRUE* according to the expression. Also note that you are making a new object at this step: *data_w7_f* .

5. Now your filter has done its job (check the Environment to make sure *data_w7_f* has fewer rows than *data_w7*), let's plot the data again. Edit the `aes()` command of this next code chunk to draw a new histogram.

6. And as you know, we can also look at the distribution as a boxplot. Edit the `geom_boxplot()` code to do this.

One-sample t-test

We now want to know if the salary estimates are different to the actual average salary in the UK (which is approx. £30,000). Our hypothesis might be that people are inaccurate - they overestimate or underestimate the average UK salary. Let's test that.

7. The first step towards this is to calculate a mean of the column of salary estimates. Edit the line of code with `mean()` to tell R to compute this value. Remember to use the new data object you created after you removed the outliers. If you're struggling to remember how to compute a `mean()`, jump back to the Week 2 content

8. Now we can compute a t-statistic and check its significance with `t.test()`. Edit the code on this line to conduct a one-sample t-test. You need to provide **the sample of data on which you want to conduct the test**, and the **expected mean under the null hypothesis**. Remember our hypothesis is that people are not accurate. Your calculation of the mean should tell you whether they numerically overestimated or underestimated. But would we expect such a result under the null hypothesis? Run the t-test and **note the p value**. How likely is it that we would see this sample of data (this mean value and the distribution of data - the SD) under null hypothesis? The p value ranges from 0 to 1. If it is very low - typically we say $p < .05$ - then we conclude our result is unlikely under the null hypothesis and it is therefore a *significant result*.

10. What is the critical value of t in the t-distribution table, for this sample size? Degrees of freedom is N - 1.

Degrees of freedom	Significance level					
	20% (0.20)	10% (0.10)	5% (0.05)	2% (0.02)	1% (0.01)	0.1% (0.001)
1	3.078	6.314	12.706	31.821	63.657	636.619
2	1.886	2.920	4.303	6.965	9.925	31.598
3	1.638	2.353	3.182	4.541	5.841	12.941
4	1.533	2.132	2.776	3.747	4.604	8.610
5	1.476	2.015	2.571	3.365	4.032	6.859
6	1.440	1.943	2.447	3.143	3.707	5.959
7	1.415	1.895	2.365	2.998	3.499	5.405
8	1.397	1.860	2.306	2.896	3.355	5.041
9	1.383	1.833	2.262	2.821	3.250	4.781
10	1.372	1.812	2.228	2.764	3.169	4.587
11	1.363	1.796	2.201	2.718	3.106	4.437
12	1.356	1.782	2.179	2.681	3.055	4.318
13	1.350	1.771	2.160	2.650	3.012	4.221
14	1.345	1.761	2.145	2.624	2.977	4.140
15	1.341	1.753	2.131	2.602	2.947	4.073
16	1.337	1.746	2.120	2.583	2.921	4.015
17	1.333	1.740	2.110	2.567	2.898	3.965
18	1.330	1.734	2.101	2.552	2.878	3.922
19	1.328	1.729	2.093	2.539	2.861	3.883
20	1.325	1.725	2.086	2.528	2.845	3.850
21	1.323	1.721	2.080	2.518	2.831	3.819
22	1.321	1.717	2.074	2.508	2.819	3.792
23	1.319	1.714	2.069	2.500	2.807	3.767
24	1.318	1.711	2.064	2.492	2.797	3.745
25	1.316	1.708	2.060	2.485	2.787	3.725
26	1.315	1.706	2.056	2.479	2.779	3.707
27	1.314	1.703	2.052	2.473	2.771	3.690
28	1.313	1.701	2.048	2.467	2.763	3.674
29	1.311	1.699	2.043	2.462	2.756	3.659
30	1.310	1.697	2.042	2.457	2.750	3.646
40	1.303	1.684	2.021	2.423	2.704	3.551
60	1.296	1.671	2.000	2.390	2.660	3.460
120	1.289	1.658	1.980	2.158	2.617	3.373
∞	1.282	1.645	1.960	2.326	2.576	3.291

Density plots: salary estimates by home location {#density_plots}

11. Draw a `geom_density()` (density plot) by adding an x mapping for the *uk_salary* column inside `aes()`. This plot can be thought of as a smoothed version of the histogram.

12. Now map the *fill* feature to the variable *home_location*. This should create 3 density plots, one for each home location. You might find that it's a bit difficult to see the shape of all three distributions. To make things clearer, add `alpha = .5` **outside** of the `aes()` command in `geom_denisty()`. This should make the plots a bit more transparent. Try playing around with different values of alpha between 0 and 1.

13. Manually change the colours of the columns by adding (+) this code as a layer to your ggplot code: `scale_fill_manual(values = c("darkgreen", "darkblue", "darkred"))`. Take a look at this PDF for more colour options than you'll probably ever want!

14. You can save your graph outside of R by clicking Export -> Save as Image.

Answers

When you have completed all of the lab content, you may want to check your answers with our completed version of the script for this week. **Remember**, looking at this script (studying/revising it) does not replace the process of working through the lab activities, trying them out for yourself, getting stuck, asking questions, finding solutions, adding your own comments, etc. **Actively engaging** with the material is the way to learn these analysis skills, not by looking at someone else's completed code…

Download the answers script

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>
```

```
</div>
```

Go

```
</main>
```

```
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```

Footer

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```

© 2022 GitHub, Inc.

```
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  </ul>
</nav>

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<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
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</button>
You can't perform that action at this time.

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```

```
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· tombeesley/PSYC121_2021-22

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    <script crossorigin="anonymous" defer="defer" type="application/javascript" src="ht


        <header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wr

<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item d-md-none">
    <button aria-label="Toggle navigation" aria-expanded="false" type="button" data-vie
<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.7
```

```
<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form" role="sea
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-container hea
    <input type="text"
      class="form-control js-site-search-focus header-search-input jump-to-field js-jump-to-fiel
      data-hotkey=s,/
      name="q"
      data-test-selector="nav-search-input"
      placeholder="Search or jump to…"
      data-unscoped-placeholder="Search or jump to…"
      data-scoped-placeholder="Search or jump to…"
      autocapitalize="off"
      role="combobox"
      aria-haspopup="listbox"
      aria-expanded="false"
      aria-autocomplete="list"
      aria-controls="jump-to-results"
      aria-label="Search or jump to…"
      data-jump-to-suggestions-path="/_graphql/GetSuggestedNavigationDestinations"
      spellcheck="false"
      autocomplete="off"
    >
    <input type="hidden" value="UBzHEd5jP1sH6C3MK5TpgIZ1BxWwdiq-jP4-rZylUk75qAHR6fsJT48ZUpRE4LYs_
    <input type="hidden" class="js-site-search-type-field" name="type" >
        <svg xmlns="http://www.w3.org/2000/svg" width="22" height="20" aria-hidden="true" class='


        <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-jump-to-sug


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>
```

```
<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 colc
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


No suggested jump to results


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 1
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7


  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16k


  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" ve
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 colc
```

```
    Jump to
    <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


    <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75


    <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75


    <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6


</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
    <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
      In this user
    </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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
    Jump to
    <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


    <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75


    <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75


    <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6
```

```
</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    In this repository
  </span>
  <span class="js-jump-to-badge-search-text-global d-none" aria-label="in all of GitHul
    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-2 flex-shrink-0 color-bg-subtle px-1 col
  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">
  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

      </div>
  </label>

  <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-
```

Pull requests Issues

Codespaces

```
  <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
  <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord

<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-

<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
  <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
  tombeesley
```

Sign out

```
</div>

<div class="Header-item Header-item--full flex-justify-center d-md-none position-relative">
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">


<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>

  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.235.25A2 2 0

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

New repository

Import repository

New gist

New organization

```
</div>

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


    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

      Sorry, something went wrong.
    </p>
  </include-fragment>
```

```
</div>

</div>

<div id="js-flash-container" data-turbo-replace>

<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this messa
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>

  <div>{{ message }}</div>

<details
```

class="details-reset details-overlay details-overlay-dark js-command-palette-
dialog" id="command-palette-pjax-container" data-turbo-replace >

```
  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
```

```
    <command-palette-mode
      data-char="/"
        data-scope-types="[&quot;repository&quot;]"
        data-placeholder="Search files"
    ></command-palette-mode>
    <command-palette-mode
      data-char="?"
    ></command-palette-mode>
    <command-palette-mode
      data-char="&gt;"
        data-placeholder="Run a command"
    ></command-palette-mode>
    <command-palette-mode
      data-char=""
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to..."
    ></command-palette-mode>
    <command-palette-mode
      data-char=""
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to..."
    ></command-palette-mode>
  <command-palette-mode
    class="js-command-palette-default-mode"
    data-char=""
    data-placeholder="Search or jump to..."
  ></command-palette-mode>

  <command-palette-input placeholder="Search or jump to..."

    data-action="
      command-palette-input:command-palette#onInput
      command-palette-select:command-palette#onSelect
      command-palette-descope:command-palette#onDescope
      command-palette-cleared:command-palette#onInputClear
    "
  >
    <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

    </div>
    <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
      <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
        <circle
          cx="8"
```

```
            cy="8"
            r="7"
            stroke="currentColor"
            stroke-opacity="0.25"
            stroke-width="2"
            vector-effect="non-scaling-stroke"
        ></circle>
        <path
            d="M15 8a7.002 7.002 0 00-7-7"
            stroke="currentColor"
            stroke-width="2"
            stroke-linecap="round"
            vector-effect="non-scaling-stroke"
        ></path>
      </svg>
    </div>
    <command-palette-scope >
      <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subtl
          <command-palette-token
            data-text="tombeesley"
            data-id="MDQ6VXNlcjE2ODcxMjU1"
            data-type="owner"
            data-value="tombeesley"
            data-targets="command-palette-scope.tokens"
            class="color-fg-default text-semibold"
            style="white-space:nowrap;line-height:20px;"
            >tombeesley<span class="color-fg-subtle text-normal">  / &nb
          <command-palette-token
            data-text="PSYC121_2021-22"
            data-id="R_kgDOGTyi1A"
            data-type="repository"
            data-value="PSYC121_2021-22"
            data-targets="command-palette-scope.tokens"
            class="color-fg-default text-semibold"
            style="white-space:nowrap;line-height:20px;"
            >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
    </command-palette-scope>
    <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-nor
      <div class="command-palette-typeahead position-absolute d-flex flex-items-center
        <span class="typeahead-segment input-mirror" data-target="command-palette-inpu
        <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
        <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
      </div>
      <input
        class="js-overlay-input typeahead-input d-none"
        disabled
```

```
        tabindex="-1"
        aria-label="Hidden input for typeahead"
      >
      <input
        type="text"
        autocomplete="off"
        autocorrect="off"
        autocapitalize="off"
        spellcheck="false"
        class="js-input typeahead-input form-control border-0 box-shadow-none input-block width-f
        aria-label="Command palette input"
        aria-haspopup="listbox"
        aria-expanded="false"
        aria-autocomplete="list"
        aria-controls="command-palette-page-stack"
        role="combobox"
        data-action="
          input:command-palette-input#onInput
          keydown:command-palette-input#onKeydown
        "
      >
    </div>
  </div>
      <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input#onClear ke
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM6.03 4.97a.
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
```

```
      <div class="ml-2 flex-shrink-0">
        Type <kbd class="hx_kbd">?</kbd> for help and tips
      </div>
    </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search issues
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">#</kbd> to search discussions
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">!</kbd> to search projects
    </div>
    <div class="ml-2 flex-shrink-0">
```

```
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">@</kbd> to search teams
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">@</kbd> to search people and organizations
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
```

```
        </div>
      </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Go to your accessibility settings to change your keyboard shortcuts
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type author:@me to search your content
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode="#"
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type is:pr to filter to pull requests
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
```

```
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:issue to filter to issues
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:project to filter to projects
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:open to filter to open content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
```

```
          </command-palette-tip>
      <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center"
        <div>
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<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22

      </div>
        <div class="px-2">
          We've encountered an error and some results aren't available at this time. Type
        </div>
      </command-palette-tip>
      <command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-
        No results matched your search
      </command-palette-tip>


      <div hidden>

          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
            <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="a
            <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
            <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="0
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="c
            <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="d
            <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16
          </div>
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            <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
            <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="l
            <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
          </div>
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            <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
          </div>
          <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="p
            <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0 1
```

```
</div>
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  <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="issue-opene
  <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 16" version=
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="git-pull-re
  <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted" viewBox=
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="search-colo
  <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sun-color-f
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 16" version
</div>
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  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16 16" versio
</div>
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  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16 16" versi
</div>
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  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="comment-dis
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-color-
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16 16" versio
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-slash-
  <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
  <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
  data-group-id="top"
  data-group-title="Top result"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="0"
>
</command-palette-item-group>
```

```
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&qu
  data-default-priority="1"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;dis
  data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
```

```
>
</command-palette-item-group>
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  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="organizations"
  data-group-title="Organizations"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="repositories"
  data-group-title="Repositories"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="references"
  data-group-title="Issues, pull requests, and discussions"
  data-group-hint="Type # to filter"
  data-group-limits="{}"
  data-default-priority="10"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="teams"
  data-group-title="Teams"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="users"
  data-group-title="Users"
  data-group-hint=""
```

```
            data-group-limits="{}"
            data-default-priority="12"
          >
          </command-palette-item-group>
          <command-palette-item-group
            data-group-id="projects"
            data-group-title="Projects"
            data-group-hint=""
            data-group-limits="{}"
            data-default-priority="13"
          >
          </command-palette-item-group>
          <command-palette-item-group
            data-group-id="footer"
            data-group-title="Footer"
            data-group-hint=""
            data-group-limits="{}"
            data-default-priority="14"
          >
          </command-palette-item-group>
          <command-palette-item-group
            data-group-id="modes_help"
            data-group-title="Modes"
            data-group-hint=""
            data-group-limits="{}"
            data-default-priority="15"
          >
          </command-palette-item-group>
          <command-palette-item-group
            data-group-id="filters_help"
            data-group-title="Use filters in issues, pull requests, discussions, and proj
            data-group-hint=""
            data-group-limits="{}"
            data-default-priority="16"
          >
          </command-palette-item-group>

          <command-palette-page
            data-page-title="tombeesley"
            data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
            data-scope-type="owner"
            data-targets="command-palette-page-stack.defaultPages"
            hidden
          >
          </command-palette-page>
          <command-palette-page
```

```
        data-page-title="PSYC121_2021-22"
        data-scope-id="R_kgDOGTyi1A"
        data-scope-type="repository"
        data-targets="command-palette-page-stack.defaultPages"
        hidden
      >
      </command-palette-page>
  </div>

  <command-palette-page data-is-root>
  </command-palette-page>
    <command-palette-page
      data-page-title="tombeesley"
      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
    >
    </command-palette-page>
    <command-palette-page
      data-page-title="PSYC121_2021-22"
      data-scope-id="R_kgDOGTyi1A"
      data-scope-type="repository"
    >
    </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serverDefinedPr
<server-defined-provider data-type="help" data-targets="command-palette.serverDefinedProviderEl
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
```

```
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="@"
    data-scope-types="[&quot;&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>organ
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">@</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>proje
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
```

```
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
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    data-prefix="# is:issue"
>
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    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span>
```

```
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:project</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="filters_help"
        data-prefix="# is:open"
    >
      <span data-target="command-palette-help.titleElement">Filter to open issues, p
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd"># is:open</kbd>
        </span>
    </command-palette-help>
</server-defined-provider>

  <server-defined-provider
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    data-fetch-debounce="0"
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      data-supports-commands

    data-targets="command-palette.serverDefinedProviderElements"
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  <server-defined-provider
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    data-fetch-debounce="0"
      data-src="/command_palette/jump_to_page_navigation"
    data-supported-modes="[&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/issues"
    data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
      data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
  <server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/jump_to"
```

```
    data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
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    ></server-defined-provider>
<server-defined-provider
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    data-fetch-debounce="200"
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      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

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    data-fetch-debounce="0"
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    data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
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    data-fetch-debounce="0"
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    data-supported-modes="[&quot;/&quot;]"
      data-supported-scope-types="[&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/discussions"
    data-supported-modes="[&quot;#&quot;]"
      data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
    data-type="remote"
    data-fetch-debounce="200"
      data-src="/command_palette/projects"
    data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
```

```
              data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

         data-targets="command-palette.serverDefinedProviderElements"
         ></server-defined-provider>
    <server-defined-provider
      data-type="prefetched"
      data-fetch-debounce="0"
        data-src="/command_palette/recent_issues"
      data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
        data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/teams"
      data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
    <server-defined-provider
      data-type="remote"
      data-fetch-debounce="200"
        data-src="/command_palette/name_with_owner_repository"
      data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
        data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

      data-targets="command-palette.serverDefinedProviderElements"
      ></server-defined-provider>
</command-palette>


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    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0
    />
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  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
```

```
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<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.141.14.22.331
```



```
<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164
```



```
<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2
```



```
<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0A8 8 0 010
```



```
    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >
```

```
<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(
```

```
  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">
```

```
    <div class="flex-auto min-width-0 width-fit mr-3">
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users,
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-fran
</strong>
```

```
<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>
```

```
      </div>

        <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2p

  <li>

<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charse
    <button title="Pin this repository to your profile" type="submit" data-view-compone
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081
```

Pin

```
    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&qu
        <span


          data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242


          Unwatch
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55
```

```
            Stop ignoring
          </span>
          <span
            hidden

            data-target="notifications-list-subscription-form.watchButtonCopy"
          >
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

            Watch
          </span>
        </span>
          <span id="repo-notifications-counter" data-target="notifications-list-subscription-form.s
          <span class="dropdown-caret"></span>


      <details-menu
        class="SelectMenu  "
        role="menu"
        data-target="notifications-list-subscription-form.menu"


      >
        <div class="SelectMenu-modal notifications-component-menu-modal">
          <header class="SelectMenu-header">
            <h3 class="SelectMenu-title">Notifications</h3>
            <button class="SelectMenu-closeButton" type="button" aria-label="Close menu" data-actio
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

            </button>
          </header>

          <div class="SelectMenu-list">
            <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

              <input type="hidden" name="repository_id" value="423404244">

              <button
                type="submit"
                name="do"
                value="included"
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="false"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
```

```
              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                </span>
                <div>
                  <div class="f5 text-bold">
                    Participating and @mentions
                  </div>
                  <div class="text-small color-fg-muted text-normal pb-1">
                    Only receive notifications from this repository when participating o
                  </div>
                </div>
              </button>

              <button
                type="submit"
                name="do"
                value="subscribed"
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="true"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06

                </span>
                <div>
                  <div class="f5 text-bold">
                    All Activity
                  </div>
                  <div class="text-small color-fg-muted text-normal pb-1">
                    Notified of all notifications on this repository.
                  </div>
                </div>
              </button>

              <button
                type="submit"
                name="do"
                value="ignore"
```

```
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="false"
                data-targets="notifications-list-subscription-form.subscriptionButtons"
            >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  Ignore
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Never be notified.
                </div>
              </div>
            </button>

          <button
            class="SelectMenu-item flex-items-start pr-3"
            type="button"
            role="menuitemradio"
            data-target="notifications-list-subscription-form.customButton"
            data-action="click:notifications-list-subscription-form#openCustomDialog"
            aria-haspopup="true"
            aria-checked="false"

          >
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="d-flex flex-items-start flex-justify-between">
                  <div class="f5 text-bold">Custom</div>
                  <div class="f5 pr-1">
                    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

                  </div>
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
```

```
                Select events you want to be notified of in addition to participating a
              </div>
            </div>
          </button>

            <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
              <span class="f5">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" w
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.75 1.7

              </span>
              <span className="text-small color-fg-muted text-normal pb-1">
                Get push notifications on <a target="_blank" rel="noopener noreferrer"
              </span>
            </div>
        </div>
      </div>
    </details-menu>

    <details-dialog
      class="notifications-component-dialog "
      data-target="notifications-list-subscription-form.customDialog"
      aria-label="Custom dialog"
      hidden
    >
      <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visibl
        <form data-target="notifications-list-subscription-form.customform" data-action

          <input type="hidden" name="repository_id" value="423404244">

          <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3"
            <h1 class="f3 SelectMenu-title d-inline-flex">
              <button
                class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                aria-label="Return to menu"
                type="button"
                data-action="click:notifications-list-subscription-form#closeCustomDial
              >
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" w
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06

              </button>
              Custom
            </h1>
          </header>
```

```
<header class="d-none d-sm-flex flex-items-start pt-1">
  <button
    class="border-0 px-2 pt-1 m-0 Link--secondary f5"
    style="background-color: transparent;"
    aria-label="Return to menu"
    type="button"
    data-action="click:notifications-list-subscription-form#closeCustomDialog"
  >
      <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true" height="16"
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

  </button>

  <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
    Custom
  </h1>
</header>

<fieldset>
  <legend>
    <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-bottom mb-
      Select events you want to be notified of in addition to participating and @mentic
    </div>
  </legend>
  <div data-target="notifications-list-subscription-form.labelInputs">
  </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
          name="thread_types[]"
          value="Issue"
          data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
          data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

        >
        Issues
      </label>


    </div>
    <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
      <label class="f5 text-normal">
        <input
          type="checkbox"
```

```
              name="thread_types[]"
              value="PullRequest"
              data-targets="notifications-list-subscription-form.threadTypeCheckl
              data-action="change:notifications-list-subscription-form#threadType

            >
            Pull requests
          </label>


      </div>
      <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
        <label class="f5 text-normal">
          <input
            type="checkbox"
            name="thread_types[]"
            value="Release"
            data-targets="notifications-list-subscription-form.threadTypeCheckl
            data-action="change:notifications-list-subscription-form#threadType

          >
          Releases
        </label>


      </div>
      <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
        <label class="f5 text-normal">
          <input
            type="checkbox"
            name="thread_types[]"
            value="Discussion"
            data-targets="notifications-list-subscription-form.threadTypeCheckl
            data-action="change:notifications-list-subscription-form#threadType

              aria-describedby="Discussion-disabled"
              aria-disabled="true"
          >
          Discussions
        </label>

        <div
          id="Discussion-disabled"
          class="color-fg-muted"
          >
          Discussions are not enabled for this repository
```

```
                    </div>

                </div>
                <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                  <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="SecurityAlert"
                      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                    >
                    Security alerts
                  </label>


                </div>
            </fieldset>
            <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
                <button name="do" value="custom" data-target="notifications-list-subscription-form.

                <button data-action="click:notifications-list-subscription-form#resetForm" data-clo

            </div>

    </details-dialog>


    <div class="notifications-component-dialog-overlay"></div>
  </details>
</notifications-list-subscription-form>

    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1

Fork 0

    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-dd21f4"
    class="d-flex flex-column flex-1 overflow-hidden"
```

<div class="SelectMenu-list"

   >

```
    <include-fragment class="SelectMenu-loading" aria-label="Loading">
      <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widtl
```

```html
<h2 class="Box-title">Unstar this repository?</h2>


<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's beer
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="
```

```html
<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-targe
    <input type="hidden" value="uJ4mewH2d_VP_jasWOChMAVq2BmzbI1AMgh2oDlQgZIADbduJcfzzul
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quc
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Starred   0

```html
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quc
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 0
```

Star   0

```html
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11
```

```html
    </button>
  <div
    id="filter-menu-6a4028"
    class="d-flex flex-column flex-1 overflow-hidden"
```

<div class="SelectMenu-list"

```
            >

                <include-fragment class="SelectMenu-loading" aria-label="Loading">
                  <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig

        </div>

          <div id="responsive-meta-container" data-turbo-replace>


            <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-component="true"


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0 11-1.06 1.


    <span data-content="Code">Code</span>
        <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M8 0a8 8 0


    <span data-content="Issues">Issues</span>
        <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hidde


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 01-.427.177


    <span data-content="Pull requests">Pull requests</span>
        <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00


    <span data-content="Actions">Actions</span>
        <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75


    <span data-content="Projects">Projects</span>
        <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hid


            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744
```

```
   <span data-content="Wiki">Wiki</span>
        <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 015.25 1.68A1.75 1.75 0 011

   <span data-content="Security">Security</span>
        <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5a

   <span data-content="Insights">Insights</span>
        <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137

   <span data-content="Settings">Settings</span>
        <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions

          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

          <span class="sr-only">More</span>
        </div>

        <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdo

          <ul>
              <li data-menu-item="i0code-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item selected dropdown-
                  Code

              <li data-menu-item="i1issues-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                  Issues

              <li data-menu-item="i2pull-requests-tab" hidden>
                <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                  Pull requests
```

```
                    <li data-menu-item="i3actions-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Actions

                    <li data-menu-item="i4projects-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Projects

                    <li data-menu-item="i5wiki-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Wiki

                    <li data-menu-item="i6security-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Security

                    <li data-menu-item="i7insights-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Insights

                    <li data-menu-item="i8settings-tab" hidden>
                      <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                        Settings

              </ul>

      <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
```

```
        <input data-target="input-demux.source"
                id="context-commitish-filter-field"
                class="SelectMenu-input form-control"
                aria-owns="ref-list-branches"
                data-controls-ref-menu-id="ref-list-branches"
                autofocus
                autocomplete="off"
                aria-label="Find or create a branch…"
                placeholder="Find or create a branch…"
                type="text"
        >
    </div>

    <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
      <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Bra
      <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
    </div>

    <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create
      <ref-selector
        type="branch"
        data-targets="input-demux.sinks"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        can-create
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
        prefetch-on-mouseover
      >

        <template data-target="ref-selector.fetchFailedTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
        </template>

        <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action='
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"  value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDctV2VlazgtYW5hbHlzaXMuUm1k">
```

```
  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payload&quot;:{&
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-co
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.25 2.25 0 11

    <div>
      <span class="text-bold">Create branch: {{ refName }}</span>
      <span class="color-fg-muted">from 'ff15dfe'</span>
    </div>
  </button>

          <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list " data-p
            <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
              <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

          </div>

            <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branches">View a
      </ref-selector>

    </div>

    <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden d
      <ref-selector
        type="tag"
        data-action="
          input-entered:ref-selector#inputEntered
          tab-selected:ref-selector#tabSelected
          focus-list:ref-selector#focusFirstListMember
        "
        data-targets="input-demux.sinks"
        query-endpoint="/tombeesley/PSYC121_2021-22/refs"
        cache-key="v0:1635758695.249855"
        current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
        default-branch="bWFpbg=="
        name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
```

```
    >

        <template data-target="ref-selector.fetchFailedTemplate">
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        </template>

        <template data-target="ref-selector.noMatchTemplate">
          <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div
        </template>

          <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

    </div>
          <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">
      </ref-selector>
    </div>
  </tab-container>
</input-demux>
```

PSYC121_2021-22/07-Week8-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;even
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>

    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-co
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>

    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path

        Copy path
```

```
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy permalink" val

        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>


  </ul>


<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164


  <div class="overflow-hidden">This commit does not belong to any branch on this repository, and


<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433583dee0cf6


<div class="Box d-flex flex-column flex-shrink-0 mb-3">


  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style="width:24p
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>


<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>


<div data-target="readme-toc.content" class="Box mt-3 position-relative">



  113 lines (62 sloc)
  <span class="file-info-divider"></span>
10.7 KB


<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/07-Week8-ar


Blame


<div class="d-flex">
```

```
  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action=
          <button disabled="disabled" title="You must be on a branch to make or propose
          <div class="color-fg-muted">E</div>


        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-lir
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
        <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw"
          aria-label="You must be on a branch to make or propose changes to this file" ty
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1


        </button>
</div>


<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
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      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_c
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm


    </summary>

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        <li>
        </li>
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b84335
          View raw
        </a>
      </li>
        <li>
          <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_20
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw contents

```
        <li>
          <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8433583dee0
            View blame
          </a>
        </li>


    </ul>
  </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-0">


<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled differently t
  <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectional Unicode
</span>

    <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde


—

output:

html_document: default

pdf_document: default

—

{r eval=FALSE, include=FALSE}</span><span class="pl-s1"></span></td>
</tr>          <tr>             <td id="L9" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="9"></td>
<td id="LC9" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">library(<span class="pl-smi">tidyverse</span>)</span></td>
</tr>          <tr>             <td id="L10" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="10"></td>
<td id="LC10" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">load(<span class="pl-s"><span class="pl-pds">&quot;</span>tidy_data.RData<span
class="pl-pds">&quot;</span></span>)</span></td>          </tr>
<tr>          <td id="L11" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="11"></td>          <td id="LC11"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>          <tr>             <td id="L12" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="12"></td>
```

```
<td id="LC12" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-c"><span class="pl-c">#</span>
set up the data for Task 3</span></span></td>           </tr>
<tr>           <td id="L13" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="13"></td>           <td id="LC13"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">data</span> %<span class="pl-k">&gt;</span>%
</span></td>           </tr>           <tr>           <td id="L14"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
data-line-number="14"></td>           <td id="LC14" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  select(<span
class="pl-smi">home_location</span>, <span class="pl-smi">uk_salary</span>)
%<span class="pl-k">&gt;</span>% </span></td>           </tr>
<tr>           <td id="L15" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="15"></td>           <td id="LC15"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
write_csv(<span class="pl-s"><span class="pl-pds">&quot;</span>data_salary.csv<span
class="pl-pds">&quot;</span></span>)</span></td>           </tr>
<tr>           <td id="L16" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="16"></td>           <td id="LC16"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>           <tr>           <td id="L17" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="17"></td>
<td id="LC17" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span></td>           </tr>           <tr>           <td
id="L18" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="18"></td>           <td id="LC18"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

Week 8: Related-samples t-tests, plotting means and SE bars

> Written by Tom Beesley & John Towse

Today we will take a look at summarising means and standard errors (SEs) from our data. We will look at how we plot these together on the one graph (using `ggplot()` commands that allow us to share mappings between different geoms0. We will explore our data on the famous "Stroop Task" and we will use a related-samples t-test to examine the differences between the means of our different conditions in this task.

Pre-lab work: online tutorial

Online tutorial: You must make every attempt to complete this before the lab! To access the **pre-lab tutorial click here** (on campus, or VPN required)

Getting ready for the lab class

1. Create a folder and a Project for Week 8. Click here for the instructions from Week 6 if you are unsure.

2. Download the Week_8.zip file and upload it into this new folder in RStudio Server. If you need them, here are the instructions from Week 2.

Calculating means and SEs

The "Stroop Effect" is a classic demonstration of automaticity of behaviour. Participants have to say the colour a word is printed in, which is an easy task for a "compatible" stimulus like **GREEN**, and a much more difficult task for an "incompatible" stimulus like **BLUE**. We can't help but read the text - it has seemingly become an automatic process.

Control	Compatible	Incompatible
dog	red	red
chair	yellow	yellow
boat	green	green
window	blue	blue
block	red	red
fan	blue	**blue**
wheel	yellow	yellow
tray	green	green
bottle	blue	blue
fence	red	red

In this task we will calculate the means and standard errors of the means. We will then plot them using

ggplot().

1. Open the script "Week_8_script.R" (see prep work)

2. Run the `library` and `read_csv` lines of code. You should see an object in the environment called *data_w8*

3. View the data with view(data). You will see that the data are a little different from the data we have worked with previously. We have an *pID* variable, which gives a unique number for each person. Each person has 3 rows. This is because the different conditions of the Stroop task reflect a **within-subjects variable** (related samples). For data like this it is often useful to have them arranged in what is referred to as "long format", with multiple rows for each response the

participant provides. For the current data that means we have a variable called *condition*, which is our IV, and one called *time* which is our DV.

4. Let's look at the distribution of *time* (our DV) as a function of *condition*. Complete the next chunk of code by mapping *x* to *time* and *fill* to *condition* for our `geom_density()` plot. As per last week, you will want to set the *alpha* parameter to something between 0 and 1 - note that this is done OUTSIDE of the `aes()` command.

5. We seem to have some outlier values at both the high and the low ends. It's probably best if we remove data for the whole participant if their *average* time is unusual. To do that, we'll need to create a new column (remember `mutate()`?) to give us these average time values for each participant. Run the next block of code (you don't need to edit this one) to create the new column, then run the next line to `view()` it.

6. Edit the `geom_histogram()` command to plot the values of the *avg_time* column.

7. We now need the filter out the values in our data that we feel are unusual. Like last week, we will do this in a fairly unprincipled manner, by "eyeballing" the data (next week we'll consider something a bit more "scientific"). Complete the filter command so that it removes both the very low values in the *avg_time* column, and also those that are very high. Because you want to filter out low AND high values, you are using an **AND** expression (**&**). You will therefore need to enter in two numerical values, based on your assessment of the histogram produced for Q6. Note that the filtered data is stored as a new object: *data_w8_f* ("f", for "filtered").

Running related samples t-tests

We have seen in our density plots that the reaction times (DV) look different in the three different Stroop conditions (our IV). But now we need to look at whether there are **statistically significant differences** between the means of the three conditions.

To do this, we will first summarise the mean time taken by each condition in the Stroop task. Remember from Week 3 that we can use `group_by()` and `summarise()` to get summary stats (e.g., mean, sd) at each level of the IV. That's what we want to do now:

1. Edit the `group_by()` code to specify the IV and the `summarise()` to calculate the `mean()` of our DV. If you do this correctly, you'll get three values - a mean value for each level (condition) of our IV. Do these means reflect what you would expect in the Stroop task?

2. Next we need to test if these differences between our means are real. To do that, we can run a related samples t-test; remember that the data for each level of the IV in this experiment came from the same person. We must use a `filter()` to restrict the data to just two levels of the IV: the *condition* column/variable in the data. This is because a related samples t-test looks at the

difference between two means (and only two), so the column we use for the t-test needs to have just two levels of the IV (two of the conditions).

3. The filter command is already set up to restrict the data to two of the conditions. Note that the filter uses an "|" symbol, which means "or", because we want the data that **is the same as** (==) one condition OR the other condition.

4. Run the t-test on this selection of data, to compare the means from these two levels of the IV. Is the

result significant? Note the t-value and the p-value. How would you express this as a statement in a report?

5. With 3 levels to the IV *condition* there are 3 possible comparisons we can make (1 vs. 2; 1 vs. 3; 2 vs. 3). Complete all three tests, by copying and pasting the commands, editing each to make a different filter selection, and then to run the t-test. Make sure you interpret the results of the t-tests.

Plotting the means and SEs

1. In Task 2 you calculated the means for each condition in the Stroop task. We've seen in lectures that "standard error" provides an estimate of how variable that mean will be across the samples we collect. In the online tutorial you were shown the code for creating the SE. Complete the code to add in the relevant variables to calculate both means and SEs. The code from Task 2-Q1 will give the mean; you simply need to add the correct variable (DV) to the `sd()` command to calculate the SE values (note that you don't need to put anything in `n()`, as this simply calculates how many rows there are).

2. View the new object *data_w8_summary*. Check that the means and SEs are different for the 3 conditions. If they are the same, you probably summarised the wrong column!

3. Now complete the ggplot command to first plot our DV, the *stroop_mean* (y), as a function of the IV, *condition* (x).

4. Now we need to add some "error bars" which provide a visual guide as to how much variance there is in our data (or how much uncertainty we have in our mean value). This figure illustrates how we would typically present error bars with mean values.
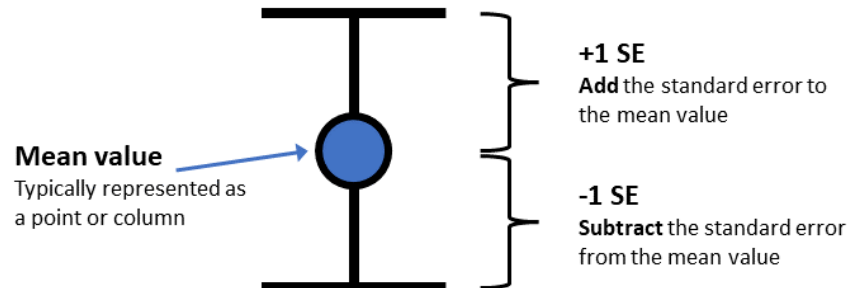
5. Edit the code for the `ggplot()` command that plots both `geom_col()` and `geom_errorbar`. You will need to calculate a `ymin` and a `ymax` value. Use the illustration above to work out how to combine the mean value and the SE value to create the right `ymin` and `ymax`.

EXTRA: These next steps can be completed to practice customising your plot

6. Add a `labs()` layer to the plot to change the axis titles, and the title of the plot.

7. Change the theme of the plot (e.g., `theme_void()`)

8. Map the *fill* aesthetic to the variable *stroop_condition*. You can do this for `geom_col` or `geom_errorbar` or both at once by putting it in the `aes()` within the `ggplot()` command.

9. Manually change the colours of the columns with using `scale_fill_manual()`. Take a look at the Week 7 instructions on how to do this.

Saving your work

Scripts: By now you are hopefully getting used to editing and working within the script (if not, see the video on working in the script vs. console on Moodle). To save a script, you simply click the save icon, or press ctrl+S (cmd+s on a mac).

Plots: To save a graph you have produced, click the "Export" button in the plot window, then "Save as Image". You can resize the graph and give it an appropriate filename. If you've set the working directory correctly, then the new file should appear in the current folder.

Data: The data objects you create (in the Environment) will be saved automatically if you have created a project. However, this data only exists within RStudio. What if you want to use the data elsewhere? For example you may want to share the data with a project supervisor. To do this, we need to write the data to a csv file (like those we use to import the data). You can do this with the following command: `write_csv(the_data_object, "the_filename.csv")`

Exporting from RStudio: The above save operations save files to a folder within RStudio Server. At some stage you will need to get these files out of RStudio Server, for example if you need a graph for your report, or you need to share the data or the scripts. To do this, simply select the files you want in the Files pane, click "More" and then "Export". Selecting multiple files will produce a ".zip" file, which will need to be "unzipped" on your computer to access the individual files (instructions for Windows and instructions for Mac)

Answers

When you have completed all of the lab content, you may want to check your answers with our completed version of the script for this week. **Remember**, looking at this script (studying/revising it) does not replace the process of working through the lab activities, trying them out for yourself, getting stuck, asking questions, finding solutions, adding your own comments, etc. **Actively engaging** with the material is the way to learn these analysis skills, not by looking at someone else's completed code...

Download the answers script

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>

</div>

Go

</main>

    <footer class="footer width-full container-xl p-responsive">
```

Footer

```
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```

© 2022 GitHub, Inc.

```
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      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/g
      <li class="mr-3 mr-lg-0"><a data-analytics-event="{&quot;category&quot;:&quot;Foo
      <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-e
      <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to help, text:Docs" href="h
      <li class="mr-3 mr-lg-0"><a href="https://support.github.com?tags=dotcom-footer"
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    <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event
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      <li><a data-ga-click="Footer, go to about, text:about" href="https://github.com/a
  </ul>
</nav>


<span class="f6 color-fg-muted"></span>


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22


<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss er
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11


</button>
You can't perform that action at this time.


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22


<span class="js-stale-session-flash-signed-in" hidden>You signed in with another tab or
<span class="js-stale-session-flash-signed-out" hidden>You signed out in another tab or


<template id="site-details-dialog">


<div class="Popover js-hovercard-content position-absolute" style="display: none; outl


<template id="snippet-clipboard-copy-button">
```

```
<clipboard-copy aria-label="Copy" class="ClipboardButton btn js-clipboard-copy m-2 p-0 tooltipped
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M0 6.75C0 5.784.784 5 1.75 5h1.5a.75.75 0 010 1.5h-1.5a.25.25 0 00-.


  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2


</clipboard-copy>


<style>
  .user-mention[href$="/tombeesley"] {
    color: var(--color-user-mention-fg);
    background-color: var(--color-user-mention-bg);
    border-radius: 2px;
    margin-left: -2px;
    margin-right: -2px;
    padding: 0 2px;
  }
</style>
```

<!DOCTYPE html>

PSYC121_2021-22/08-Week9-analysis.Rmd at ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4
· tombeesley/PSYC121_2021-22

```
<meta name="google-site-verification" content="c1kuD-K2HIVF635lypcsWPoD4kilo5-jA_wBFyT4uMY">


<meta name="user-login" content="tombeesley">


<meta name="viewport" content="width=device-width">

  <meta name="description" content="Contribute to tombeesley/PSYC121_2021-22 development by creat
  <link rel="search" type="application/opensearchdescription+xml" href="/opensearch.xml" title="(
<link rel="fluid-icon" href="https://github.com/fluidicon.png" title="GitHub">
<meta property="fb:app_id" content="1401488693436528">
<meta name="apple-itunes-app" content="app-id=1477376905" />
  <meta name="twitter:image:src" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f
  <meta property="og:image" content="https://opengraph.githubassets.com/f66f2547f429b27a2c6f9f439

<link rel="assets" href="https://github.githubassets.com/">
  <link rel="shared-web-socket" href="wss://alive.github.com/_sockets/u/16871255/ws?session=eyJ2I
  <link rel="shared-web-socket-src" href="/assets-cdn/worker/socket-worker-b87581f5816c.js">
```

```
    <meta name="hostname" content="github.com">


  <meta name="keyboard-shortcuts-preference" content="all">
  <script type="application/json" id="memex_keyboard_shortcuts_preference">"all"</scrip

    <meta name="expected-hostname" content="github.com">

<meta name="enabled-features" content="ACTIONS_RUN_NAME,IMAGE_METRIC_TRACKING,GEOJSON_A

    <meta data-hydrostats="publish">

<link rel="canonical" href="https://github.com/tombeesley/PSYC121_2021-22/blob/ff15dfe

  <a href="#start-of-content" class="p-3 color-bg-accent-emphasis color-fg-on-emphasis
  <span data-view-component="true" class="progress-pjax-loader Progress position-fixed
<span style="width: 0%;" data-view-component="true" class="Progress-item progress-pjax-

    <script crossorigin="anonymous" defer="defer" type="application/javascript" src="ht

        <header class="Header js-details-container Details px-3 px-md-4 px-lg-5 flex-wi

<div class="Header-item mt-n1 mb-n1  d-none d-md-flex">
  <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-
label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go
to dashboard","label":"icon:logo%22;}" >

```
</div>

<div class="Header-item d-md-none">
    <button aria-label="Toggle navigation" aria-expanded="false" type="button" data-vie
<path fill-rule="evenodd" d="M1 2.75A.75.75 0 011.75 2h12.5a.75.75 0 110 1.5H1.75A.75.7

<!-- '"` --><!-- </textarea></xmp> --></option></form><form class="js-site-search-form"
  <label class="form-control header-search-wrapper input-sm p-0 js-chromeless-input-co
    <input type="text"
      class="form-control js-site-search-focus header-search-input jump-to-field js-jum
      data-hotkey=s,/
      name="q"
      data-test-selector="nav-search-input"
      placeholder="Search or jump to…"
      data-unscoped-placeholder="Search or jump to…"
```

```
            data-scoped-placeholder="Search or jump to…"
            autocapitalize="off"
            role="combobox"
            aria-haspopup="listbox"
            aria-expanded="false"
            aria-autocomplete="list"
            aria-controls="jump-to-results"
            aria-label="Search or jump to…"
            data-jump-to-suggestions-path="/_graphql/GetSuggestedNavigationDestinations"
            spellcheck="false"
            autocomplete="off"
        >
        <input type="hidden" value="P4EYfK1AUhbqc3r15AfC3cuN8tnuWmeRfMYvJZvhnkeWNd68mthkAmKCBa2Lc51xs
        <input type="hidden" class="js-site-search-type-field" name="type" >
            <svg xmlns="http://www.w3.org/2000/svg" width="22" height="20" aria-hidden="true" class='


        <div class="Box position-absolute overflow-hidden d-none jump-to-suggestions js-jump-to-sug


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75


  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75


  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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-2 flex-shrink-0 color-bg-subtle px-1 col
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

No suggested jump to results

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 :
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16l
```

```
  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" v
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-
```

```
</div>
```

```
<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-
```

```
<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidde
</div>
```

```
<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this reposit
    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-2 flex-shrink-0 color-bg-subtle px-1 colo
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>
```

```
  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 :
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.7
```

```
  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16"
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16l
```

```
  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6


</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <span class="js-jump-to-badge-search-text-default d-none" aria-label="in this user">
    In this user
  </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-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted
  Jump to
  <span class="d-inline-block ml-1 v-align-middle"> </span>
</div>


  <svg title="Repository" aria-label="Repository" role="img" height="16" viewBox="0 0 16 16" vers
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

  <svg title="Project" aria-label="Project" role="img" height="16" viewBox="0 0 16 16" version="1
<path fill-rule="evenodd" d="M1.75 0A1.75 1.75 0 000 1.75v12.5C0 15.216.784 16 1.75 16h12.5A1.75

  <svg title="Search" aria-label="Search" role="img" height="16" viewBox="0 0 16 16" version="1.1
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6


</div>

<img class="avatar mr-2 flex-shrink-0 js-jump-to-suggestion-avatar d-none" alt="" aria-label="Tea

<div class="jump-to-suggestion-name js-jump-to-suggestion-name flex-auto overflow-hidden text-lef
</div>

<div class="border rounded-2 flex-shrink-0 color-bg-subtle px-1 color-fg-muted ml-1 f6 d-none js-
  <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 GitHu
      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-2 flex-shrink-0 color-bg-subtle px-1 col
  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">
    <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

        </div>
    </label>

    <nav id="global-nav" class="d-flex flex-column flex-md-row flex-self-stretch flex-md-
<a class="Header-link py-md-3 d-block d-md-none py-2 border-top border-md-top-0 border-
```

Pull requests Issues

Codespaces

```
    <a class="js-selected-navigation-item Header-link flex-auto mt-md-n3 mb-md-n3 py-2 py
</div>
```

Explore

```
    <a class="js-selected-navigation-item Header-link d-block d-md-none py-2 py-md-3 bord

<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-

<a class="Header-link d-block d-md-none mr-0 mr-md-3 py-2 py-md-3 border-top border-md-
    <img class="avatar avatar-user" loading="lazy" decoding="async" src="https://avatars
    tombeesley
```

Sign out

```
</div>

<div class="Header-item Header-item--full flex-justify-center d-md-none position-relati
    <a
```

class="Header-link" href="https://github.com/" data-hotkey="g d" aria-label="Homepage" data-turbo="false" data-analytics-event="{"category":"Header","action":"go to dashboard","label":"icon:logo%22;}" >

</div>

```
<div class="Header-item mr-0 mr-md-3 flex-order-1 flex-md-order-none">
```

```
<span
  data-target="notification-indicator.badge"
  class="mail-status unread" hidden>
</span>
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path d="M8 16a2 2 0 001.985-1.75c.017-.137-.097-.25-.235-.25h-3.5c-.138 0-.252.113-.235.25A2 2 0
```

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

New repository

Import repository

New gist

New organization

```
</div>
```

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

```
    <p class="ml-1 mb-2 mt-2 color-fg-default" data-show-on-error>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164
```

```
      Sorry, something went wrong.
    </p>
  </include-fragment>
```

```
</div>
```

```
</div>
```

```
<div id="js-flash-container" data-turbo-replace>
```

```
<button class="flash-close js-flash-close" type="button" aria-label="Dismiss this messa
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

</button>

  <div>{{ message }}</div>

<details

class="details-reset  details-overlay  details-overlay-dark  js-command-palette-
dialog" id="command-palette-pjax-container" data-turbo-replace >

  <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search issues and pull requests"
    ></command-palette-mode>
    <command-palette-mode
      data-char="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search issues, pull requests, discussions, and projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="!"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-placeholder="Search projects"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;&quot;]"
        data-placeholder="Search or jump to a user, organization, or repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="@"
        data-scope-types="[&quot;owner&quot;]"
        data-placeholder="Search or jump to a repository"
    ></command-palette-mode>
    <command-palette-mode
      data-char="/"
        data-scope-types="[&quot;repository&quot;]"
        data-placeholder="Search files"
    ></command-palette-mode>
    <command-palette-mode
      data-char="?"
```

```
></command-palette-mode>
<command-palette-mode
  data-char="&gt;"
    data-placeholder="Run a command"
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
  data-char=""
    data-scope-types="[&quot;owner&quot;]"
    data-placeholder="Search or jump to..."
></command-palette-mode>
<command-palette-mode
  class="js-command-palette-default-mode"
  data-char=""
  data-placeholder="Search or jump to..."
></command-palette-mode>

<command-palette-input placeholder="Search or jump to..."

  data-action="
    command-palette-input:command-palette#onInput
    command-palette-select:command-palette#onSelect
    command-palette-descope:command-palette#onDescope
    command-palette-cleared:command-palette#onInputClear
  "
>
  <div class="js-search-icon d-flex flex-items-center mr-2" style="height: 26px">
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M11.5 7a4.499 4.499 0 11-8.998 0A4.499 4.499 0 0111.5 7zm-.82 4.74a6

  </div>
  <div class="js-spinner d-flex flex-items-center mr-2 color-fg-muted" hidden>
    <svg aria-label="Loading" class="anim-rotate" viewBox="0 0 16 16" fill="none" width="16" he
      <circle
        cx="8"
        cy="8"
        r="7"
        stroke="currentColor"
        stroke-opacity="0.25"
        stroke-width="2"
        vector-effect="non-scaling-stroke"
      ></circle>
```

```
      <path
        d="M15 8a7.002 7.002 0 00-7-7"
        stroke="currentColor"
        stroke-width="2"
        stroke-linecap="round"
        vector-effect="non-scaling-stroke"
      ></path>
    </svg>
  </div>
  <command-palette-scope >
    <div data-target="command-palette-scope.placeholder" hidden class="color-fg-subt
        <command-palette-token
          data-text="tombeesley"
          data-id="MDQ6VXNlcjE2ODcxMjU1"
          data-type="owner"
          data-value="tombeesley"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >tombeesley<span class="color-fg-subtle text-normal">  / &nb
        <command-palette-token
          data-text="PSYC121_2021-22"
          data-id="R_kgDOGTyi1A"
          data-type="repository"
          data-value="PSYC121_2021-22"
          data-targets="command-palette-scope.tokens"
          class="color-fg-default text-semibold"
          style="white-space:nowrap;line-height:20px;"
          >PSYC121_2021-22<span class="color-fg-subtle text-normal">  /&nbs
  </command-palette-scope>
  <div class="command-palette-input-group flex-1 form-control border-0 box-shadow-no
    <div class="command-palette-typeahead position-absolute d-flex flex-items-center
      <span class="typeahead-segment input-mirror" data-target="command-palette-inpu
      <span class="Truncate-text" data-target="command-palette-input.typeaheadText">
      <span class="typeahead-segment" data-target="command-palette-input.typeaheadPl
    </div>
    <input
      class="js-overlay-input typeahead-input d-none"
      disabled
      tabindex="-1"
      aria-label="Hidden input for typeahead"
    >
    <input
      type="text"
      autocomplete="off"
      autocorrect="off"
```

```
          autocapitalize="off"
          spellcheck="false"
          class="js-input typeahead-input form-control border-0 box-shadow-none input-block width-f
          aria-label="Command palette input"
          aria-haspopup="listbox"
          aria-expanded="false"
          aria-autocomplete="list"
          aria-controls="command-palette-page-stack"
          role="combobox"
          data-action="
            input:command-palette-input#onInput
            keydown:command-palette-input#onKeydown
          "
        >
      </div>
        <div data-view-component="true" class="position-relative d-inline-block">
<button aria-keyshortcuts="Control+Backspace" data-action="click:command-palette-input#onClear ke
<path fill-rule="evenodd" d="M2.343 13.657A8 8 0 1113.657 2.343 8 8 0 012.343 13.657zM6.03 4.97a.
```

Clear Command Palette

```
</command-palette-input>

  <command-palette-page-stack
    data-default-scope-id="R_kgDOGTyi1A"
    data-default-scope-type="Repository"
    data-action="command-palette-page-octicons-cached:command-palette-page-stack#cacheOcticons"
  >
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;&quot;,,&quot;owner&quot;,,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search pull requests
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
```

```
          data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search issues
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">#</kbd> to search discussions
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
        data-mode=""
        data-value="">
        <div class="d-flex flex-items-start flex-justify-between">
          <div>
            <span class="text-bold">Tip:</span>
              Type <kbd class="hx_kbd">!</kbd> to search projects
          </div>
          <div class="ml-2 flex-shrink-0">
            Type <kbd class="hx_kbd">?</kbd> for help and tips
          </div>
        </div>
      </command-palette-tip>
      <command-palette-tip
        class="color-fg-muted f6 px-3 py-1 my-2"
          data-scope-types="[&quot;owner&quot;]"
```

```
      data-mode=""
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type <kbd class="hx_kbd">@</kbd> to search teams
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">@</kbd> to search people and organizations
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
  data-value="">
  <div class="d-flex flex-items-start flex-justify-between">
    <div>
      <span class="text-bold">Tip:</span>
        Type <kbd class="hx_kbd">&gt;</kbd> to activate command mode
    </div>
    <div class="ml-2 flex-shrink-0">
      Type <kbd class="hx_kbd">?</kbd> for help and tips
    </div>
  </div>
</command-palette-tip>
<command-palette-tip
  class="color-fg-muted f6 px-3 py-1 my-2"
    data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
  data-mode=""
```

```
        data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Go to your accessibility settings to change your keyboard shortcuts
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type author:@me to search your content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:pr to filter to pull requests
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
```

```
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:issue to filter to issues
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:project to filter to projects
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
    <command-palette-tip
      class="color-fg-muted f6 px-3 py-1 my-2"
        data-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&quot;]"
      data-mode="#"
      data-value="">
      <div class="d-flex flex-items-start flex-justify-between">
        <div>
          <span class="text-bold">Tip:</span>
            Type is:open to filter to open content
        </div>
        <div class="ml-2 flex-shrink-0">
          Type <kbd class="hx_kbd">?</kbd> for help and tips
        </div>
      </div>
    </command-palette-tip>
  <command-palette-tip class="mx-3 my-2 flash flash-error d-flex flex-items-center" data-scope-
    <div>
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

    </div>
```

```
    <div class="px-2">
      We've encountered an error and some results aren't available at this time. Typ
    </div>
  </command-palette-tip>
  <command-palette-tip class="h4 color-fg-default pl-3 pb-2 pt-3" data-on-empty data-
    No results matched your search
  </command-palette-tip>


  <div hidden>

      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-arrow-right color-fg-muted" viewBox="
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-arrow-right color-fg-default" viewBox
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-codespaces color-fg-muted" viewBox="
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-copy color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-dash color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id=":
        <svg height="16" class="octicon octicon-file color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="g
        <svg height="16" class="octicon octicon-gear color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="
        <svg height="16" class="octicon octicon-lock color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="r
        <svg height="16" class="octicon octicon-moon color-fg-muted" viewBox="0 0 16
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="r
        <svg height="16" class="octicon octicon-person color-fg-muted" viewBox="0 0
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="r
        <svg height="16" class="octicon octicon-pencil color-fg-muted" viewBox="0 0
      </div>
      <div data-targets="command-palette-page-stack.localOcticons" data-octicon-id=":
        <svg height="16" class="octicon octicon-issue-opened open" viewBox="0 0 16 1
      </div>
```

```
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="git-pull-re
  <svg height="16" class="octicon octicon-git-pull-request-draft color-fg-muted" viewBox=
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="search-colo
  <svg height="16" class="octicon octicon-search color-fg-muted" viewBox="0 0 16 16" vers
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sun-color-f
  <svg height="16" class="octicon octicon-sun color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="sync-color-
  <svg height="16" class="octicon octicon-sync color-fg-muted" viewBox="0 0 16 16" versic
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="trash-color
  <svg height="16" class="octicon octicon-trash color-fg-muted" viewBox="0 0 16 16" versi
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="key-color-f
  <svg height="16" class="octicon octicon-key color-fg-muted" viewBox="0 0 16 16" version
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="comment-dis
  <svg height="16" class="octicon octicon-comment-discussion color-fg-muted" viewBox="0 0
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-color-
  <svg height="16" class="octicon octicon-bell color-fg-muted" viewBox="0 0 16 16" versic
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="bell-slash-
  <svg height="16" class="octicon octicon-bell-slash color-fg-muted" viewBox="0 0 16 16"
</div>
<div data-targets="command-palette-page-stack.localOcticons" data-octicon-id="paintbrush-
  <svg height="16" class="octicon octicon-paintbrush color-fg-muted" viewBox="0 0 16 16"
</div>

<command-palette-item-group
  data-group-id="top"
  data-group-title="Top result"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="0"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="commands"
  data-group-title="Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;static_items_page&quot;:50,&quot;issue&quot;:50,&quot;pull_re
  data-default-priority="1"
>
```

```
</command-palette-item-group>
<command-palette-item-group
  data-group-id="global_commands"
  data-group-title="Global Commands"
  data-group-hint="Type &gt; to filter"
  data-group-limits="{&quot;issue&quot;:0,&quot;pull_request&quot;:0,&quot;dis
  data-default-priority="2"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="this_page"
  data-group-title="This Page"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="3"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="files"
  data-group-title="Files"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="4"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="default"
  data-group-title="Default"
  data-group-hint=""
  data-group-limits="{&quot;static_items_page&quot;:50}"
  data-default-priority="5"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="pages"
  data-group-title="Pages"
  data-group-hint=""
  data-group-limits="{&quot;repository&quot;:10}"
  data-default-priority="6"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="access_policies"
  data-group-title="Access Policies"
  data-group-hint=""
  data-group-limits="{}"
```

```
            data-default-priority="7"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="organizations"
  data-group-title="Organizations"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="8"
>
</command-palette-item-group>
<command-palette-item-group
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  data-group-title="Repositories"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="9"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="references"
  data-group-title="Issues, pull requests, and discussions"
  data-group-hint="Type # to filter"
  data-group-limits="{}"
  data-default-priority="10"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="teams"
  data-group-title="Teams"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="11"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="users"
  data-group-title="Users"
  data-group-hint=""
  data-group-limits="{}"
  data-default-priority="12"
>
</command-palette-item-group>
<command-palette-item-group
  data-group-id="projects"
  data-group-title="Projects"
```

```
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="13"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="footer"
      data-group-title="Footer"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="14"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="modes_help"
      data-group-title="Modes"
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="15"
    >
    </command-palette-item-group>
    <command-palette-item-group
      data-group-id="filters_help"
      data-group-title="Use filters in issues, pull requests, discussions, and proj
      data-group-hint=""
      data-group-limits="{}"
      data-default-priority="16"
    >
    </command-palette-item-group>

    <command-palette-page
      data-page-title="tombeesley"
      data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
      data-scope-type="owner"
      data-targets="command-palette-page-stack.defaultPages"
      hidden
    >
    </command-palette-page>
    <command-palette-page
      data-page-title="PSYC121_2021-22"
      data-scope-id="R_kgDOGTyi1A"
      data-scope-type="repository"
      data-targets="command-palette-page-stack.defaultPages"
      hidden
    >
    </command-palette-page>
```

```
        </div>

    <command-palette-page data-is-root>
    </command-palette-page>
      <command-palette-page
        data-page-title="tombeesley"
        data-scope-id="MDQ6VXNlcjE2ODcxMjU1"
        data-scope-type="owner"
      >
      </command-palette-page>
      <command-palette-page
        data-page-title="PSYC121_2021-22"
        data-scope-id="R_kgDOGTyi1A"
        data-scope-type="repository"
      >
      </command-palette-page>
</command-palette-page-stack>

<server-defined-provider data-type="search-links" data-targets="command-palette.serverDefinedPr
<server-defined-provider data-type="help" data-targets="command-palette.serverDefinedProviderEl
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues</strong>
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="#"
        data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>issues, pull req
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">#</kbd>
        </span>
    </command-palette-help>
    <command-palette-help
      data-group="modes_help"
        data-prefix="@"
        data-scope-types="[&quot;&quot;]"
    >
      <span data-target="command-palette-help.titleElement">Search for <strong>organizations, r
```

```
        <span data-target="command-palette-help.hintElement">
          <kbd class="hx_kbd">@</kbd>
        </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="!"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>proje
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">!</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="/"
    data-scope-types="[&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Search for <strong>files
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">/</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="modes_help"
    data-prefix="&gt;"
>
  <span data-target="command-palette-help.titleElement">Activate <strong>command
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd">&gt;</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
  <span data-target="command-palette-help.titleElement">Search your issues, pull
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># author:@me</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# author:@me"
>
```

```
    <span data-target="command-palette-help.titleElement">Search your issues, pull requests,
      <span data-target="command-palette-help.hintElement">
        <kbd class="hx_kbd"># author:@me</kbd>
      </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:pr"
>
  <span data-target="command-palette-help.titleElement">Filter to pull requests</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:pr</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:issue"
>
  <span data-target="command-palette-help.titleElement">Filter to issues</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:issue</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:discussion"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to discussions</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:discussion</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:project"
    data-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"
>
  <span data-target="command-palette-help.titleElement">Filter to projects</span>
    <span data-target="command-palette-help.hintElement">
      <kbd class="hx_kbd"># is:project</kbd>
    </span>
</command-palette-help>
<command-palette-help
  data-group="filters_help"
    data-prefix="# is:open"
```

```
          >
            <span data-target="command-palette-help.titleElement">Filter to open issues, p
              <span data-target="command-palette-help.hintElement">
                <kbd class="hx_kbd"># is:open</kbd>
              </span>
          </command-palette-help>
    </server-defined-provider>

      <server-defined-provider
        data-type="commands"
        data-fetch-debounce="0"
          data-src="/command_palette/commands"
        data-supported-modes="[]"
          data-supports-commands

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="prefetched"
        data-fetch-debounce="0"
          data-src="/command_palette/jump_to_page_navigation"
        data-supported-modes="[&quot;&quot;]"
          data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;,&quot;repository&qu

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="remote"
        data-fetch-debounce="200"
          data-src="/command_palette/issues"
        data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
          data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&qu

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="remote"
        data-fetch-debounce="200"
          data-src="/command_palette/jump_to"
        data-supported-modes="[&quot;@&quot;,&quot;@&quot;]"
          data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

        data-targets="command-palette.serverDefinedProviderElements"
        ></server-defined-provider>
      <server-defined-provider
        data-type="remote"
```

```
    data-fetch-debounce="200"
      data-src="/command_palette/jump_to_members_only"
    data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
      data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

    data-targets="command-palette.serverDefinedProviderElements"
    ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
    data-src="/command_palette/jump_to_members_only_prefetched"
  data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
    data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="files"
  data-fetch-debounce="0"
    data-src="/command_palette/files"
  data-supported-modes="[&quot;/&quot;]"
    data-supported-scope-types="[&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/discussions"
  data-supported-modes="[&quot;#&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="remote"
  data-fetch-debounce="200"
    data-src="/command_palette/projects"
  data-supported-modes="[&quot;#&quot;,&quot;!&quot;]"
    data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;]"

  data-targets="command-palette.serverDefinedProviderElements"
  ></server-defined-provider>
<server-defined-provider
  data-type="prefetched"
  data-fetch-debounce="0"
```

```
              data-src="/command_palette/recent_issues"
          data-supported-modes="[&quot;#&quot;,&quot;#&quot;]"
              data-supported-scope-types="[&quot;owner&quot;,&quot;repository&quot;,&quot;&q

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/teams"
          data-supported-modes="[&quot;@&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
        <server-defined-provider
          data-type="remote"
          data-fetch-debounce="200"
            data-src="/command_palette/name_with_owner_repository"
          data-supported-modes="[&quot;@&quot;,&quot;@&quot;,&quot;&quot;,&quot;&quot;]"
            data-supported-scope-types="[&quot;&quot;,&quot;owner&quot;]"

          data-targets="command-palette.serverDefinedProviderElements"
          ></server-defined-provider>
</command-palette>


<span class="Toast-icon">
  <svg class="Toast--spinner" viewBox="0 0 32 32" width="18" height="18" aria-hidden="t
    <path
      fill="#959da5"
      d="M16 0 A16 16 0 0 0 16 32 A16 16 0 0 0 16 0 M16 4 A12 12 0 0 1 16 28 A12 12 0 0
    />
    <path fill="#ffffff" d="M16 0 A16 16 0 0 1 32 16 L28 16 A12 12 0 0 0 16 4z"></path>
  </svg>
</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M4.47.22A.75.75 0 015 0h6a.75.75 0 01.53.22l4.25 4.25c.14

</span>
<span class="Toast-content"></span>


<span class="Toast-icon">
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

</span>
<span class="Toast-content"></span>

<span class="Toast-icon">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M8 1.5a6.5 6.5 0 100 13 6.5 6.5 0 000-13zM0 8a8 8 0 1116 0A8 8 0 010

</span>
<span class="Toast-content"></span>

    <div itemscope itemtype="http://schema.org/SoftwareSourceCode" class="">
<main id="js-repo-pjax-container" >




<div id="repository-container-header" class="pt-3 hide-full-screen" style="background-color: var(

  <div class="d-flex flex-wrap flex-justify-end mb-3  px-3 px-md-4 px-lg-5" style="gap: 1rem;">

    <div class="flex-auto min-width-0 width-fit mr-3">


  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M2 2.5A2.5 2.5 0 014.5 0h8.75a.75.75 0 01.75.75v12.5a.75.75 0 01-.75

<span class="author flex-self-stretch" itemprop="author">
  <a class="url fn" rel="author" data-hovercard-type="user" data-hovercard-url="/users/tombeesley
```

```
</span>
<span class="mx-1 flex-self-stretch color-fg-muted">/</span>
<strong itemprop="name" class="mr-2 flex-self-stretch">
  <a data-pjax="#repo-content-pjax-container" data-turbo-frame="repo-content-turbo-fram
</strong>

<span></span><span class="Label Label--secondary v-align-middle mr-1">Public</span>


    </div>

      <ul class="pagehead-actions flex-shrink-0 d-none d-md-inline" style="padding: 2p

  <li>


<form data-turbo="false" action="/tombeesley/PSYC121_2021-22/profile_pin" accept-charse
    <button title="Pin this repository to your profile" type="submit" data-view-compone
<path fill-rule="evenodd" d="M4.456.734a1.75 1.75 0 012.826.504l.613 1.327a3.081 3.081

Pin


    <summary data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&qu
        <span


          data-target="notifications-list-subscription-form.unwatchButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242

          Unwatch
        </span>
        <span
          hidden

          data-target="notifications-list-subscription-form.stopIgnoringButtonCopy"
        >
          <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="
<path fill-rule="evenodd" d="M8 1.5c-.997 0-1.895.416-2.534 1.086A.75.75 0 014.38 1.55

          Stop ignoring
        </span>
        <span
          hidden
```

```
                data-target="notifications-list-subscription-form.watchButtonCopy"
          >
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-v
<path fill-rule="evenodd" d="M1.679 7.932c.412-.621 1.242-1.75 2.366-2.717C5.175 4.242 6.527 3.5

              Watch
            </span>
          </span>
            <span id="repo-notifications-counter" data-target="notifications-list-subscription-form.s
            <span class="dropdown-caret"></span>


      <details-menu
        class="SelectMenu  "
        role="menu"
        data-target="notifications-list-subscription-form.menu"

      >
        <div class="SelectMenu-modal notifications-component-menu-modal">
          <header class="SelectMenu-header">
            <h3 class="SelectMenu-title">Notifications</h3>
            <button class="SelectMenu-closeButton" type="button" aria-label="Close menu" data-actio
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

            </button>
          </header>

          <div class="SelectMenu-list">
            <form data-target="notifications-list-subscription-form.form" data-action="submit:notif

              <input type="hidden" name="repository_id" value="423404244">

              <button
                type="submit"
                name="do"
                value="included"
                class="SelectMenu-item flex-items-start"
                role="menuitemradio"
                aria-checked="false"
                data-targets="notifications-list-subscription-form.subscriptionButtons"

              >
                <span class="f5">
                  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2
```

```
              </span>
              <div>
                <div class="f5 text-bold">
                  Participating and @mentions
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Only receive notifications from this repository when participating o
                </div>
              </div>
          </button>

          <button
            type="submit"
            name="do"
            value="subscribed"
            class="SelectMenu-item flex-items-start"
            role="menuitemradio"
            aria-checked="true"
            data-targets="notifications-list-subscription-form.subscriptionButtons"
          >
            <span class="f5">
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" u
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06
              </span>
              <div>
                <div class="f5 text-bold">
                  All Activity
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Notified of all notifications on this repository.
                </div>
              </div>
          </button>

          <button
            type="submit"
            name="do"
            value="ignore"
            class="SelectMenu-item flex-items-start"
            role="menuitemradio"
            aria-checked="false"
            data-targets="notifications-list-subscription-form.subscriptionButtons"
          >
            <span class="f5">
              <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" u
```

```
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

              </span>
              <div>
                <div class="f5 text-bold">
                  Ignore
                </div>
                <div class="text-small color-fg-muted text-normal pb-1">
                  Never be notified.
                </div>
              </div>
            </button>

        <button
          class="SelectMenu-item flex-items-start pr-3"
          type="button"
          role="menuitemradio"
          data-target="notifications-list-subscription-form.customButton"
          data-action="click:notifications-list-subscription-form#openCustomDialog"
          aria-haspopup="true"
          aria-checked="false"

        >
          <span class="f5">
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06 0L2.22 9.2

          </span>
          <div>
            <div class="d-flex flex-items-start flex-justify-between">
              <div class="f5 text-bold">Custom</div>
              <div class="f5 pr-1">
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M8.22 2.97a.75.75 0 011.06 0l4.25 4.25a.75.75 0 010 1.06l-4.25 4.25a

              </div>
            </div>
            <div class="text-small color-fg-muted text-normal pb-1">
              Select events you want to be notified of in addition to participating and @mentio
            </div>
          </div>
        </button>

        <div class="px-3 py-2 d-flex color-bg-subtle flex-items-center">
          <span class="f5">
```

```
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" w
<path fill-rule="evenodd" d="M3.75 0A1.75 1.75 0 002 1.75v12.5c0 .966.784 1.75 1.7

              </span>
              <span className="text-small color-fg-muted text-normal pb-1">
                Get push notifications on <a target="_blank" rel="noopener noreferrer"
              </span>
            </div>
        </div>
      </div>
    </details-menu>

    <details-dialog
      class="notifications-component-dialog "
      data-target="notifications-list-subscription-form.customDialog"
      aria-label="Custom dialog"
      hidden
    >
      <div class="SelectMenu-modal notifications-component-dialog-modal overflow-visibl
        <form data-target="notifications-list-subscription-form.customform" data-actio

          <input type="hidden" name="repository_id" value="423404244">

          <header class="d-sm-none SelectMenu-header pb-0 border-bottom-0 px-2 px-sm-3"
            <h1 class="f3 SelectMenu-title d-inline-flex">
              <button
                class="color-bg-default border-0 px-2 py-0 m-0 Link--secondary f5"
                aria-label="Return to menu"
                type="button"
                data-action="click:notifications-list-subscription-form#closeCustomDial
              >
                <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" v
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.0

              </button>
              Custom
            </h1>
          </header>

          <header class="d-none d-sm-flex flex-items-start pt-1">
            <button
              class="border-0 px-2 pt-1 m-0 Link--secondary f5"
              style="background-color: transparent;"
              aria-label="Return to menu"
              type="button"
```

```
                    data-action="click:notifications-list-subscription-form#closeCustomDialog"
              >
                  <svg style="position: relative; left: 2px; top: 1px" aria-hidden="true" height="16'
<path fill-rule="evenodd" d="M7.78 12.53a.75.75 0 01-1.06 0L2.47 8.28a.75.75 0 010-1.06l4.25-4.25

              </button>

              <h1 class="pt-1 pr-4 pb-0 pl-0 f5 text-bold">
                Custom
              </h1>
            </header>

            <fieldset>
              <legend>
                <div class="text-small color-fg-muted pt-0 pr-3 pb-3 pl-6 pl-sm-5 border-bottom mb-
                  Select events you want to be notified of in addition to participating and @mentic
                </div>
              </legend>
              <div data-target="notifications-list-subscription-form.labelInputs">
              </div>
                <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                  <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="Issue"
                      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                    >
                    Issues
                  </label>


                </div>
                <div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
                  <label class="f5 text-normal">
                    <input
                      type="checkbox"
                      name="thread_types[]"
                      value="PullRequest"
                      data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                      data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                    >
                    Pull requests
```

```
        </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="Release"
      data-targets="notifications-list-subscription-form.threadTypeCheck
      data-action="change:notifications-list-subscription-form#threadType

    >
    Releases
  </label>


</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
      name="thread_types[]"
      value="Discussion"
      data-targets="notifications-list-subscription-form.threadTypeCheck
      data-action="change:notifications-list-subscription-form#threadType

        aria-describedby="Discussion-disabled"
        aria-disabled="true"
    >
    Discussions
  </label>

    <div
      id="Discussion-disabled"
      class="color-fg-muted"
      >
      Discussions are not enabled for this repository
    </div>

</div>
<div class="form-checkbox mr-3 ml-6 ml-sm-5 mb-2 mt-0">
  <label class="f5 text-normal">
    <input
      type="checkbox"
```

```
                    name="thread_types[]"
                    value="SecurityAlert"
                    data-targets="notifications-list-subscription-form.threadTypeCheckboxes"
                    data-action="change:notifications-list-subscription-form#threadTypeCheckboxes

                  >
                  Security alerts
              </label>



          </div>
        </fieldset>
        <div class="pt-2 pb-3 px-3 d-flex flex-justify-start flex-row-reverse">
            <button name="do" value="custom" data-target="notifications-list-subscription-form.

            <button data-action="click:notifications-list-subscription-form#resetForm" data-clo

        </div>


    </details-dialog>



    <div class="notifications-component-dialog-overlay"></div>
  </details>
</notifications-list-subscription-form>

    <a icon="repo-forked" href="/tombeesley/PSYC121_2021-22/fork" data-hydro-click="{&quot;event_
<path fill-rule="evenodd" d="M5 3.25a.75.75 0 11-1.5 0 .75.75 0 011.5 0zm0 2.122a2.25 2.25 0 10-1
```

Fork 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button" aria-label
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

    </button>
  <div
    id="filter-menu-69bf24"
    class="d-flex flex-column flex-1 overflow-hidden"

    <div class="SelectMenu-list"

     >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" heig
```

```
<h2 class="Box-title">Unstar this repository?</h2>

<p class="mb-3">
  This will remove {{ repoNameWithOwner }} from the {{ listsWithCount }} that it's been
</p>
<div class="form-actions">
  <form class="js-social-confirmation-form" data-turbo="false" action="{{ confirmUrl }}
    <input type="hidden" name="authenticity_token" value="{{ confirmCsrfToken }}">
    <input type="hidden" name="confirm" value="true">
      <button data-close-dialog="true" type="submit" data-view-component="true" class="

<form class="starred js-social-form BtnGroup-parent flex-auto js-deferred-toggler-targe
    <input type="hidden" value="ZROmAe3Ue6fo81jEawSyyWoaQO40FLkgjEC6Etqb9dLdgDcUyeX_nE>
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 (
```

Starred 0

```
<form class="unstarred js-social-form BtnGroup-parent flex-auto" data-turbo="false" act
  <input type="hidden" name="context" value="repository">
    <button data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quo
<path fill-rule="evenodd" d="M8 .25a.75.75 0 01.673.418l1.882 3.815 4.21.612a.75.75 0 (
```

Star 0

```
    <button class="SelectMenu-closeButton position-absolute right-0 m-2" type="button"
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 11

    </button>
  <div
    id="filter-menu-d02b78"
    class="d-flex flex-column flex-1 overflow-hidden"

     <div class="SelectMenu-list"

      >

        <include-fragment class="SelectMenu-loading" aria-label="Loading">
          <svg style="box-sizing: content-box; color: var(--color-icon-primary);" widt]

  </div>

    <div id="responsive-meta-container" data-turbo-replace>
```

```
        <nav data-pjax="#js-repo-pjax-container" aria-label="Repository" data-view-component="true"

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M4.72 3.22a.75.75 0 011.06 1.06L2.06 8l3.72 3.72a.75.75 0 11-1.06 1.

  <span data-content="Code">Code</span>
      <span id="code-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path d="M8 9.5a1.5 1.5 0 100-3 1.5 1.5 0 000 3z"></path><path fill-rule="evenodd" d="M8 0a8 8 0

  <span data-content="Issues">Issues</span>
      <span id="issues-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hidde

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110 .854v4.792a.25.25 0 01-.427.177

  <span data-content="Pull requests">Pull requests</span>
      <span id="pull-requests-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M1.5 8a6.5 6.5 0 1113 0 6.5 6.5 0 01-13 0zM8 0a8 8 0 100 16A8 8 0 00

  <span data-content="Actions">Actions</span>
      <span id="actions-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not ava

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75C0 .784.784 0 1.75 0h12.5C15.216 0 16 .784 16 1.75v12.5A1.75

  <span data-content="Projects">Projects</span>
      <span id="projects-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="0" hid

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M0 1.75A.75.75 0 01.75 1h4.253c1.227 0 2.317.59 3 1.501A3.744 3.744

  <span data-content="Wiki">Wiki</span>
      <span id="wiki-repo-tab-count" data-pjax-replace="" data-turbo-replace="" title="Not availa

            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-vie
<path fill-rule="evenodd" d="M7.467.133a1.75 1.75 0 011.066 0l5.25 1.68A1.75 1.75 0 0115 3.48V7c0

  <span data-content="Security">Security</span>
      <include-fragment src="/tombeesley/PSYC121_2021-22/security/overall-count" accept="text/fra
```

```
        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M1.5 1.75a.75.75 0 00-1.5 0v12.5c0 .414.336.75.75.75h14.5

  <span data-content="Insights">Insights</span>
      <span id="insights-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path fill-rule="evenodd" d="M7.429 1.525a6.593 6.593 0 011.142 0c.036.003.108.036.137

  <span data-content="Settings">Settings</span>
      <span id="settings-repo-tab-count" data-pjax-replace="" data-turbo-replace="" tit

<div style="visibility:hidden;" data-view-component="true" class="UnderlineNav-actions

        <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm

        <span class="sr-only">More</span>
      </div>

      <details-menu role="menu" data-view-component="true" class="dropdown-menu dropdo

        <ul>
            <li data-menu-item="i0code-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item selected dropdown-
                Code

            <li data-menu-item="i1issues-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                Issues

            <li data-menu-item="i2pull-requests-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                Pull requests

            <li data-menu-item="i3actions-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                Actions

            <li data-menu-item="i4projects-tab" hidden>
              <a role="menuitem" class="js-selected-navigation-item dropdown-item" data
                Projects
```

```
                        <li data-menu-item="i5wiki-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Wiki

                        <li data-menu-item="i6security-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Security

                        <li data-menu-item="i7insights-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Insights

                        <li data-menu-item="i8settings-tab" hidden>
                          <a role="menuitem" class="js-selected-navigation-item dropdown-item" data-selected-
                            Settings

                </ul>

      <a href="https://github.dev/" class="d-none js-github-dev-shortcut" data-hotkey=".">Open in git
```

Open in a new github.dev tab

Permalink

ff15dfed06

```
<header class="SelectMenu-header">
  <span class="SelectMenu-title">Switch branches/tags</span>
  <button class="SelectMenu-closeButton" type="button" data-toggle-for="branch-select-menu"><svg
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9

</header>

<input-demux data-action="tab-container-change:input-demux#storeInput tab-container-changed:input
  <tab-container class="d-flex flex-column js-branches-tags-tabs" style="min-height: 0;">
    <div class="SelectMenu-filter">
      <input data-target="input-demux.source"
             id="context-commitish-filter-field"
             class="SelectMenu-input form-control"
             aria-owns="ref-list-branches"
             data-controls-ref-menu-id="ref-list-branches"
             autofocus
             autocomplete="off"
             aria-label="Find or create a branch…"
             placeholder="Find or create a branch…"
```

```
                    type="text"
        >
      </div>

      <div class="SelectMenu-tabs" role="tablist" data-target="input-demux.control" >
        <button class="SelectMenu-tab" type="button" role="tab" aria-selected="true">Bran
        <button class="SelectMenu-tab" type="button" role="tab">Tags</button>
      </div>

      <div role="tabpanel" id="ref-list-branches" data-filter-placeholder="Find or create
        <ref-selector
          type="branch"
          data-targets="input-demux.sinks"
          data-action="
            input-entered:ref-selector#inputEntered
            tab-selected:ref-selector#tabSelected
            focus-list:ref-selector#focusFirstListMember
          "
          query-endpoint="/tombeesley/PSYC121_2021-22/refs"
          can-create
          cache-key="v0:1635758695.249855"
          current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
          default-branch="bWFpbg=="
          name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
          prefetch-on-mouseover
        >

          <template data-target="ref-selector.fetchFailedTemplate">
            <div class="SelectMenu-message" data-index="{{ index }}">Could not load bran
          </template>

          <template data-target="ref-selector.noMatchTemplate">
<!-- '"` --><!-- </textarea></xmp> --></option></form><form data-turbo="false" action="
  <input type="hidden" name="name" value="{{ refName }}">
  <input type="hidden" name="branch"   value="ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4">
  <input type="hidden" name="path_binary" value="MDgtV2VlaztYW5hbHlzaXMuUm1k">

  <button
    class="SelectMenu-item wb-break-word"
    type="submit"
    role="menuitem"
    data-index="{{ index }}"
    data-hydro-click="{&quot;event_type&quot;:&quot;repository.click&quot;,&quot;payloa
    <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" da
<path fill-rule="evenodd" d="M11.75 2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.2
```

```
      <div>
        <span class="text-bold">Create branch: {{ refName }}</span>
        <span class="color-fg-muted">from 'ff15dfe'</span>
      </div>
    </button>

          <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-list " data-p
            <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is loading">
              <svg style="box-sizing: content-box; color: var(--color-icon-primary);" width="32" he

          </div>

            <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
            <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/branches">View a
        </ref-selector>

      </div>

      <div role="tabpanel" id="tags-menu" data-filter-placeholder="Find a tag" tabindex="" hidden o
        <ref-selector
          type="tag"
          data-action="
            input-entered:ref-selector#inputEntered
            tab-selected:ref-selector#tabSelected
            focus-list:ref-selector#focusFirstListMember
          "
          data-targets="input-demux.sinks"
          query-endpoint="/tombeesley/PSYC121_2021-22/refs"
          cache-key="v0:1635758695.249855"
          current-committish="ZmYxNWRmZWQwNmI4NDMzNTgzZGVlMGNmNmE2ZDZkNGRjNDdjZGFkNA=="
          default-branch="bWFpbg=="
          name-with-owner="dG9tYmVlc2xleS9QU1lDMTIxXzIwMjEtMjI="
        >

          <template data-target="ref-selector.fetchFailedTemplate">
            <div class="SelectMenu-message" data-index="{{ index }}">Could not load tags</div>
          </template>

          <template data-target="ref-selector.noMatchTemplate">
            <div class="SelectMenu-message" data-index="{{ index }}">Nothing to show</div>
          </template>

            <template data-target="ref-selector.itemTemplate">
```

{{ refName }} default

```
        <div data-target="ref-selector.listContainer" role="menu" class="SelectMenu-lis
          <div class="SelectMenu-loading pt-3 pb-0 overflow-hidden" aria-label="Menu is
            <svg style="box-sizing: content-box; color: var(--color-icon-primary);" wid

    </div>
          <footer class="SelectMenu-footer"><a href="/tombeesley/PSYC121_2021-22/tags">
      </ref-selector>
      </div>
  </tab-container>
</input-demux>
```

PSYC121_2021-22/08-Week9-analysis.Rmd

```
<a href="/tombeesley/PSYC121_2021-22/find/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4" da

  <ul class="dropdown-menu dropdown-menu-sw">
    <li class="d-block d-md-none">
      <a class="dropdown-item d-flex flex-items-baseline" data-hydro-click="{&quot;eve
        <span class="flex-auto">Go to file</span>
        <span class="text-small color-fg-muted" aria-hidden="true">T</span>


    <li data-toggle-for="blob-more-options-details">
        <button data-toggle-for="jumpto-line-details-dialog" type="button" data-view-c
          <span class="flex-auto">Go to line</span>
          <span class="text-small color-fg-muted" aria-hidden="true">L</span>
        </span>


    <li class="dropdown-divider" role="none"></li>
    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy path


        Copy path


    <li>
      <clipboard-copy data-toggle-for="blob-more-options-details" aria-label="Copy perm


        <span class="d-flex flex-items-baseline">
          <span class="flex-auto">Copy permalink</span>
        </span>


  </ul>
```

```
<div id="spoof-warning" class="mt-0 pb-3" hidden aria-hidden>

<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

  <div class="overflow-hidden">This commit does not belong to any branch on this repository, and

<include-fragment src="/tombeesley/PSYC121_2021-22/spoofed_commit_check/ff15dfed06b8433583dee0cf6

<div class="Box d-flex flex-column flex-shrink-0 mb-3">

  <div class="Skeleton avatar avatar-user flex-shrink-0 ml-n1 mr-n1 mt-n1 mb-n1" style="width:24p
  <div class="Skeleton Skeleton--text col-5 ml-2"> </div>
</div>

<div class="Box-body d-flex flex-items-center" >
  <div class="Skeleton Skeleton--text col-1"> </div>
  <span class="color-fg-danger h6 loader-error">Cannot retrieve contributors at this time</span>
</div>

<div data-target="readme-toc.content" class="Box mt-3 position-relative">


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

<div class="BtnGroup">
    <a href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b8433583dee0cf6a6d6d4dc47cdad4/08-Week9-ar
```

Blame

```
<div class="d-flex">


  <div class="SelectMenu-modal width-full">
    <div class="SelectMenu-list SelectMenu-list--borderless py-2">
      <form class="SelectMenu-item js-update-url-with-hash " data-turbo="false" action="/tombeesl
          <button disabled="disabled" title="You must be on a branch to make or propose changes t
          <div class="color-fg-muted">E</div>

        <a aria-label="Open this file in github.dev" data-test-selector="github-dev-link" data-dr
          <div class="mr-5 no-wrap">Open in github.dev</div>
          <div class="color-fg-muted">.</div>
```

Open in GitHub Desktop

```
        <button class="btn-octicon btn-octicon-danger disabled tooltipped tooltipped-nw"
          aria-label="You must be on a branch to make or propose changes to this file" ty
            <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="1
<path fill-rule="evenodd" d="M6.5 1.75a.25.25 0 01.25-.25h2.5a.25.25 0 01.25.25V3h-3V1


        </button>
</div>


<div class="d-flex hide-lg hide-xl flex-order-2 flex-grow-0">
  <details class="dropdown details-reset details-overlay d-inline-block">
    <summary
      class="js-blob-dropdown-click btn-octicon"
      aria-haspopup="true"
      aria-label="possible actions"
      data-test-selector="small-screen-more-options"
      data-dropdown-tracking="{&quot;type&quot;:&quot;blob_edit_dropdown.more_options_
    >
      <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16"
<path d="M8 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zM1.5 9a1.5 1.5 0 100-3 1.5 1.5 0 000 3zm


    </summary>

    <ul class="dropdown-menu dropdown-menu-sw" style="width: 175px">
        <li>
        </li>
      <li>
        <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/raw/ff15dfed06b84335
          View raw
        </a>
      </li>
        <li>
          <remote-clipboard-copy class="dropdown-item" data-src="/tombeesley/PSYC121_20
```

Copy raw contents   Copy raw contents   Copy raw contents   Copy raw
contents

```
        <li>
          <a class="dropdown-item" href="/tombeesley/PSYC121_2021-22/blame/ff15dfed06b8
            View blame
          </a>
        </li>
```

```
      </ul>
    </details>
</div>


<div itemprop="text" class="Box-body p-0 blob-wrapper data type-rmarkdown  gist-border-0">


<span>
  This file contains bidirectional Unicode text that may be interpreted or compiled differently t
   <a href="https://github.co/hiddenchars" target="_blank">Learn more about bidirectional Unicode
</span>

      <a href="{{ revealButtonHref }}" data-view-component="true" class="btn-sm btn">    Show hidde
```

—

output:

html_document: default

pdf_document: default

—

```
{r eval=FALSE, include=FALSE}</span><span class="pl-s1"></span></td>
</tr>            <tr>             <td id="L9" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="9"></td>
<td id="LC9" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">library(<span class="pl-smi">tidyverse</span>)</span></td>
</tr>            <tr>             <td id="L10" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="10"></td>
<td id="LC10" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1">load(<span class="pl-s"><span class="pl-pds">&quot;</span>tidy_data.RData<span
class="pl-pds">&quot;</span></span>)</span></td>            </tr>
<tr>            <td id="L11" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="11"></td>            <td id="LC11"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>            <tr>             <td id="L12" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="12"></td>
<td id="LC12" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"><span class="pl-c"><span class="pl-c">#</span>
set up the data for Task 3</span></span></td>            </tr>
<tr>            <td id="L13" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="13"></td>            <td id="LC13"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"><span
class="pl-smi">data</span> %<span class="pl-k">&gt;</span>%
</span></td>            </tr>            <tr>             <td id="L14"
class="blob-num js-line-number js-code-nav-line-number js-blob-rnum"
```

```
data-line-number="14"></td>              <td id="LC14" class="blob-code
blob-code-inner js-file-line"><span class="pl-s1">  select(<span
class="pl-smi">home_location</span>, <span class="pl-smi">uk_salary</span>)
%<span class="pl-k">&gt;</span>% </span></td>            </tr>
<tr>           <td id="L15" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="15"></td>            <td id="LC15"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1">
write_csv(<span class="pl-s"><span class="pl-pds">&quot;</span>data_salary.csv<span
class="pl-pds">&quot;</span></span>)</span></td>            </tr>
<tr>             <td id="L16" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="16"></td>            <td id="LC16"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span></td>
</tr>           <tr>            <td id="L17" class="blob-num js-line-number
js-code-nav-line-number js-blob-rnum" data-line-number="17"></td>
<td id="LC17" class="blob-code blob-code-inner js-file-line"><span
class="pl-s1"></span></td>            </tr>            <tr>            <td
id="L18" class="blob-num js-line-number js-code-nav-line-number
js-blob-rnum" data-line-number="18"></td>            <td id="LC18"
class="blob-code blob-code-inner js-file-line"><span class="pl-s1"></span><span
class="pl-c1">
```

Week 9: Unrelated-samples t-test and Power

> Written by Tom Beesley & John Towse

Pre-lab work: online tutorial

Online tutorial: You must make every attempt to complete this before the lab! To access the **pre-lab tutorial click here** (on campus, or VPN required)

Getting ready for the lab class

1. Create a folder and a Project for Week 9. Click here for the instructions from Week 6 if you are unsure.

2. Download the Week_9.zip file and upload it into this new folder in RStudio Server. If you need them, here are the instructions from Week 2.

Data visualisation and cleaning

In this class we will be exploring some data on music preferences and social media use. In our survey we asked people to rate how much they liked various music artists out of 5. There were some "pop" artists like Beyonce and Taylor Swift, and some "rock" artists like Coldplay and Nirvana. In the data we have grouped the ratings for pop artists together, and similarly for the rock artists: each respondent therefore gets a *pop_score* and a *rock_score*. We've also turned these ratings into a *categorial variable*, which reflects whether someone liked pop more than rock ("pop-tastic"), or not ("rock-on" - either they preferred rock, or they had no preference).

The other variables relate to social media use. We have the *instagram_followers* and *facebook_friends*, which provide a (fairly crude) measure of how much someone engages with these social media platforms.

1. Let's first take a look at the data on music preferences. We might think that people who like rock music are less likely to be in to pop music (and vice versa). To look at this *relationship* we can plot one score on the x axis and one on the y axis. Read in the data (make sure it's called "data_w9") and complete the `geom_jitter()` code to do this (we use `geom_jitter()` here because there are overlapping points).

2. Consider the pattern of data you see. In general, do people who really like pop (high scores) like or dislike rock? Conversely, do those who like rock dislike pop? What pattern would you expect for these different relationships in preference? Talk about it with your table.

3. Next you can add a mapping between *music_pref* and *colour* to show our boundaries for the two levels of the categorical variable

4. Let's take a look at the two social media variables. Complete the code for the two histogram plots to view the data on facebook friends and instagram followers.

5. You'll see that for both variables, there are some extreme values (some people have >1000 friends and > 2000 followers). These outlier values can be problematic when we run our statistical tests, so (like last week) we probably want to control their influence by removing them. As you saw in your online tutorial, we can convert the data to z scores, and then remove z values above and below certain values.

6. Let's create two "z-transform columns". Complete the code by adding the two variable (column) names to the code. View the *data_w9* object to check these have been created correctly. Like in the online tutorial, it would be a good idea to calculate some descriptive statistics for these new columns to check them (e.g., `mean()`, `sd()`, `min()` and `max()`).

7. We know from our lectures on the z distribution that values of greater than 2 (or less than -2) reflect around 5% of the distribution, and values greater than 3 (or less than -3) represent less than 1% of the distribution:
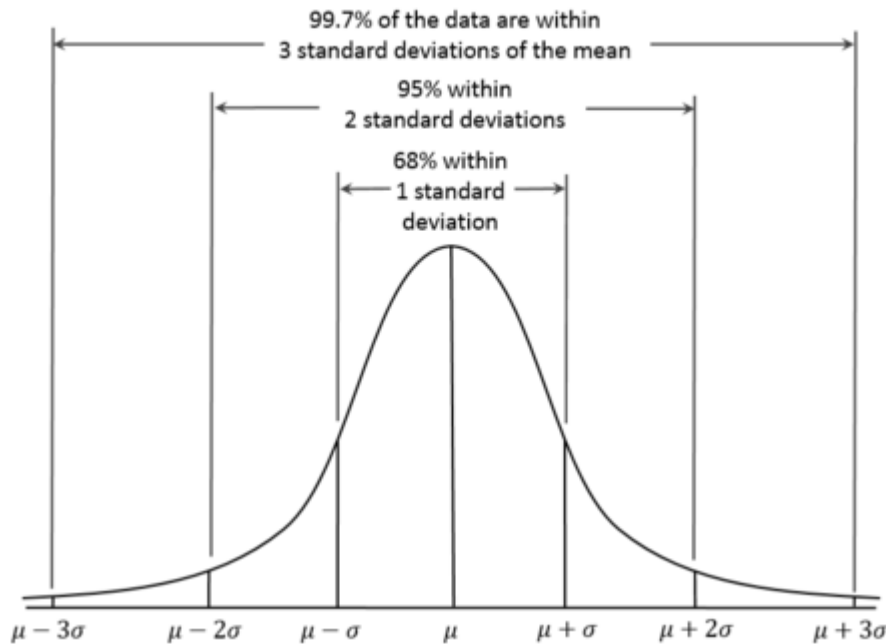
8. Let's consider an outlier any value that has a z of 2.5 (a conventional cutoff). Complete the filter command to remove the data where the z value is greater than 2.5 for both the *z_FF* column and the *z_IF* column. Note you only need to look at positive values: our histogram has already shown that these data are positively skewed with outliers only at the positive end (you cannot have fewer than 0 friends/followers; these are ratio scales with a true 0 value). Complete the filter command to remove the positive z values above 2.5. When completing this, note the use of the AND (&) symbol: We want to KEEP z values that are below 2.5 for both the *z_FF* and *z_IF* variables.

Unrelated samples t-test

9. Let's have a look at whether people's music preferences relate to their social media use. To do this, let's use our category variable *music_pref*. Complete the `group_by()` and `summarise()` commands to give the mean values of *facebook_friends* (meanFF) and *instagram_followers* (meanIF) for each level of the *music_pref* variable. You don't need to edit the `N = n()` line - this provides the number of participants at each level of the *music_pref* variable

10. What do the means suggest? Are those rock-grandads stuck in the last decade on Facebook? Are the pop-divas insta-addicts?

11. Let's test if these differences are real. First, note that most people liked pop music more than rock music (see the *N* column in the summary). We have unequal sample sizes, and potentially unequal variances. Run the `var.test()` code to check if the variances of the two samples are similar (homogeneity of variance). If this test produces a p value less that .05, then the variances in

the two samples are unequal. That will have consequences for how we run the `t-test()` in the next step.

12. Now let's run the t-test. This week we are comparing data from different samples of participants (those who preferred pop and those who preferred rock). We need to tell the t-test that the data are NOT paired (`paired = FALSE`). The result of the `var.test()` in the last step will tell you whether the `var.equal` value should be `TRUE` or `FALSE`. Set `var.equal = FALSE` or `var.equal = TRUE` depending on whether the variances are equal. When you're happy with the values, run the t-test. What result did you get and what does this mean? Discuss this with your table, or with the staff in the lab.

13. In that t-test we looked at the *facebook_friends* variable, but what about the *instagram_followers* variable? Copy the code to run another `var.test()` and `t.test()`, for the *instagram_followers* variable. Note the t and p values; What do these tell us about the relationship between music preference and social media use?

Power and effect size (d) calculations

14. We saw in last week's lab tasks that there was a significant effect in our Stroop task data: participants were faster to say the colour names of the compatible list compared to the incompatible list (there were significant differences with the control list too). We will now use these data to calculate an **effect size** (*Cohen's d*) for the t-statistic that we observed in that test.

15. Import the stroop data. It's always a good idea to `view()` it (you can do this by clicking on it in the environment) to remind yourself what it looks like.

16. Run the code that will `filter()` the data to the two conditions we are interested in (compatible and incompatible).

17. Run the `cohens_d()` code to calculate the effect size, which is reported as *effsize*. You can ignore any negative sign, taking note of the absolute value.

18. So we know that this large effect size was significant with our fairly large sample of participants. What might we have expected with a much smaller sample size. Use the `pwr.t.test()` function to add in the effect size (d) and an *N* of 20. What **power** would we have achieved with this sample size, to detect this large effect?

19. Let's say we wanted our next experiment to have an 80% chance of finding an effect at least as large as the one we found. Complete the `pwr.t.test()` function to work out the minimum sample size we would need to achieve power of .8, with this effect size.

20. Let's say we are looking to run a new experiment in which we give people a stressful task to complete simultaneously. We will ask them to put their hands in a bucket of ice cold water while doing the Stroop task. We are unsure of what consequence this will have for our effect size, but we want to estimate the effect size that could be achieved. We decide to run 40 participants, and want

to achieve a power of .90 (90% chance to find an effect at least this large). What is the minimum effect size we could hope to detect under these conditions?

Answers

When you have completed all of the lab content, you may want to check your answers with our completed version of the script for this week. **Remember**, looking at this script (studying/revising it) does not replace the process of working through the lab activities, trying them out for yourself, getting stuck, asking questions, finding solutions, adding your own comments, etc. **Actively engaging** with the material is the way to learn these analysis skills, not by looking at someone else's completed code…

Download the answers script

Copy lines

Copy permalink

View git blame

Reference in new issue

```
</div>
```

```
</div>
```

Go

```
</main>
```

```
        <footer class="footer width-full container-xl p-responsive">
```

Footer

```
<div class="list-style-none d-flex flex-wrap col-0 col-lg-2 flex-justify-start flex-lg-
  <div class="mt-2 mt-lg-0 d-flex flex-items-center">
    <a aria-label="Homepage" title="GitHub" class="footer-octicon mr-2" href="https://g
      <svg aria-hidden="true" height="24" viewBox="0 0 16 16" version="1.1" width="24"
<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-
```

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```
</div>
```

```
<nav aria-label='footer' class="col-12 col-lg-8">
  <h3 class='sr-only' id='sr-footer-heading'>Footer navigation</h3>
```

```
    <ul class="list-style-none d-flex flex-wrap col-12 flex-justify-center flex-lg-justify-between
        <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/github-term
        <li class="mr-3 mr-lg-0"><a href="https://docs.github.com/en/github/site-policy/github-priv
        <li class="mr-3 mr-lg-0"><a data-analytics-event="{&quot;category&quot;:&quot;Footer&quot;,
        <li class="mr-3 mr-lg-0"><a href="https://www.githubstatus.com/" data-analytics-event="{&qu
        <li class="mr-3 mr-lg-0"><a data-ga-click="Footer, go to help, text:Docs" href="https://doc
        <li class="mr-3 mr-lg-0"><a href="https://support.github.com?tags=dotcom-footer" data-analy
        <li class="mr-3 mr-lg-0"><a href="https://github.com/pricing" data-analytics-event="{&quot;
      <li class="mr-3 mr-lg-0"><a href="https://docs.github.com" data-analytics-event="{&quot;categ
     <li class="mr-3 mr-lg-0"><a href="https://services.github.com" data-analytics-event="{&quot;c
        <li class="mr-3 mr-lg-0"><a href="https://github.blog" data-analytics-event="{&quot;categor
        <li><a data-ga-click="Footer, go to about, text:about" href="https://github.com/about">Abou
    </ul>
</nav>


<span class="f6 color-fg-muted"></span>


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

<button type="button" class="flash-close js-ajax-error-dismiss" aria-label="Dismiss error">
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M3.72 3.72a.75.75 0 011.06 0L8 6.94l3.22-3.22a.75.75 0 111.06 1.06L9


</button>
You can't perform that action at this time.


<svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-compor
<path fill-rule="evenodd" d="M8.22 1.754a.25.25 0 00-.44 0L1.698 13.132a.25.25 0 00.22.368h12.164

<span class="js-stale-session-flash-signed-in" hidden>You signed in with another tab or window. <
<span class="js-stale-session-flash-signed-out" hidden>You signed out in another tab or window. <


<template id="site-details-dialog">


<div class="Popover js-hovercard-content position-absolute" style="display: none; outline: none;'


<template id="snippet-clipboard-copy-button">


<clipboard-copy aria-label="Copy" class="ClipboardButton btn js-clipboard-copy m-2 p-0 tooltippec
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" data-view-comp
<path fill-rule="evenodd" d="M0 6.75C0 5.784.784 5 1.75 5h1.5a.75.75 0 010 1.5h-1.5a.25.25 0 00-.
```

```
  <svg aria-hidden="true" height="16" viewBox="0 0 16 16" version="1.1" width="16" dat
<path fill-rule="evenodd" d="M13.78 4.22a.75.75 0 010 1.06l-7.25 7.25a.75.75 0 01-1.06
```

```
</clipboard-copy>
```

```
<style>
  .user-mention[href$="/tombeesley"] {
    color: var(--color-user-mention-fg);
    background-color: var(--color-user-mention-bg);
    border-radius: 2px;
    margin-left: -2px;
    margin-right: -2px;
    padding: 0 2px;
  }
</style>
```