A hypothetical study using fake data for instructional purposes only Methods Report 1: Complete Study Program

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1 Input parameters

1.1 Reporting parameters

1.1.1 Bibliograpic data

```
# authors_tb <- ready4show::ready4_authors_lup() %>%
    tibble::add_case(first_nm_chr = "Alejandra",
#
                     middle nm chr = "Rocio",
#
                     last nm chr = "Scienceace",
                     title chr = "Dr",
#
                     qualifications_chr = "MD, PhD",
                     institute chr = "Insitute A, Institute B",
#
#
                     sequence_int = 1,
                     is corresponding lql = T,
                     email_chr = "fake_email@fake_institute.com") %>%
#
      tibble::add_case(first_nm_chr = "Fionn",
                     middle_nm_chr = "Seamus",
#
                     last_nm_chr = "Researchchamp",
                     title_chr = "Prof",
                     qualifications_chr = "MSc, PhD",
                     institute_chr = "Insitute_C, Institute_B",
                     sequence_int = 2,
                     email_chr = "fake_email@fake_institute.com")
# institutes_tb <- ready4show::ready4_institutes_lup() %>%
   tibble::add_case(short_name_chr = "Institute_A", long_name_chr = "Awesome University, Shanghai") %>%
   tibble::add_case(short_name_chr = "Institute_B", long_name_chr = "August Institution, London") %>%
    tibble::add_case(short_name_chr = "Institute_C", long_name_chr = "Highly Ranked Uni, Montreal")
# header_yaml_args_ls <- make_header_yaml_args_ls(authors_tb = authors_tb,
                                                   institutes tb = institutes tb.
#
                                                   title_1L_chr = "A hypothetical study using fake data for instructional purposes only",
                                                   keywords chr = c("this", "is", "a", "replication", "using", "fake", "data", "do", "not", "cite",
```

1.1.2 Report formatting

1.2 Data parameters

1.2.1 Dataset

```
# ds_tb <- youthvars::replication_popl_tb %>%
# youthvars::transform_raw_ds_for_analysis()
```

1.2.2 Data dictionary

```
# dictionary_tb <- youthvars::make_final_rpln_ds_dict()</pre>
```

1.2.3 Dataset metadata

```
# ds_descvs_ls <- make_ds_descvs_ls(candidate_predrs_chr = c("K6", "PHQ9"),</pre>
                                     candidate_covar_nms_chr = c("d_age", "SOFAS",
#
                                                                  "c_p_diag_s",
#
                                                                  "c clinical staging s"),
#
                                     cohort descu var nms chr = c("d age",
#
                                                                   "d relation s",
#
                                                                   "d_studying_working",
#
                                                                   "c_p_diaq_s",
#
                                                                   "c_clinical_staqing_s",
#
                                                                   "SOFAS"),
#
                                     dictionary_tb = dictionary_tb,
#
                                     id_var_nm_1L_chr = "fkClientID",
#
                                     is_fake_1L_lql = T,
#
                                     msrmnt_date_var_nm_1L_chr = "d_interview_date",
#
                                     round_var_nm_1L_chr = "round",
                                     round_vals_chr = c("Baseline", "Follow-up"),
#
#
                                     maui_item_pfx_1L_chr = "agol6d_q",
#
                                     utl wtd var nm 1L chr = "agol6d total w",
```

1.2.4 Candidate predictors metadata

1.2.5 Multi-Attribute Utility Instrument (MAUI) parameters

```
# maui_params_ls <- make_maui_params_ls(maui_domains_pfcs_1L_chr = "vD",</pre>
                                         maui_itm_short_nms_chr = c("Household tasks",
#
                                                                      "Getting around", "Morbility",
#
                                                                      "Self care", "Enjoy close rels",
#
                                                                      "Family rels",
#
                                                                      "Community involvement", "Despair",
#
                                                                      "Worry", "Sad", "Agitated",
#
                                                                      "Energy level", "Control",
#
                                                                      "Coping", "Frequency of pain",
#
                                                                      "Degree of pain",
#
                                                                      "Pain interference", "Vision",
#
                                                                      "Hearing", "Communication"),
#
                                         maui_scoring_fn = youthvars::add_adol6d_scores,
#
                                         short\_and\_long\_nm = c("AQoL-6D",
#
                                                                 "Assessment of Quality of Life - Six Dimension"),
                                         utl_min_val_1L_dbl = 0.03
```

1.3 Analysis parameters

```
# scndry anlys params ls <- make scndry anlys params(candidate predrs chr = c("SOFAS"),
                                                     prefd_covars_chr = NA_character_)
# input params ls <- make input params(ds tb,
                                       ds_descvs_ls = ds_descvs_ls,
#
                                       dv ds nm and url chr = c("fakes",
#
                                                                 "https://doi.org/10.7910/DVN/D74QMP"),
#
                                       header yaml args ls = header yaml args ls,
                                       maui_params_ls = maui_params_ls,
                                       output_format_ls = output_format_ls,
                                       predictors_lup = predictors_lup,
                                       prefd_covars_chr = "SOFAS",
                                       prefd_mdl_types_chr = c("OLS_CLL", "GLM_GSN_LOG"),
                                       scndry_anlys_params_ls = scndry_anlys_params_ls)
```

2 Analyse, Report and Share

2.1 Run analysis

```
write_analyses(input_params_ls)
```

2.2 Report results

2.3 Share results

```
write_study_outp_ds(input_params_ls)
```

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3 Create manuscript

3.1 Create study metadata

```
# input_params_ls <- make_study_descs_ls(input_params_ls = input_params_ls,

background_1L_chr = "Our study is entirely fictional and has been created to illustrate TTU packed

coi_1L_chr = "None declared.",

conclusion_1L_chr = "If this study was real, the results would be interesting.",

# ethics_1L_chr = "The study was reviewed and granted approval by Awesome University's Human Research

# funding_1L_chr = "The study was funded by Generous Benefactor.",

sample_desc_1L_chr = "The study sample is fake data that pretends to be young people aged 12 to 22 time_btwn_bl_and_fup_1L_chr = "three months",

var_nm_change_lup = tibble::tibble(old_nms_chr = c("PHQ9", "GAD7"),

new_nms_chr = c("PHQ-9",

"GAD-7")))
```

3.2 Render auto-generated first-draft

```
results_ls <- write_manuscript(input_params_ls = input_params_ls)</pre>
```

4 Purge dataset copies

```
write_to_delete_ds_copies(path_params_ls$paths_ls)
```