



Quick start your trials – a shell script for preparing your trials with a standard set-up

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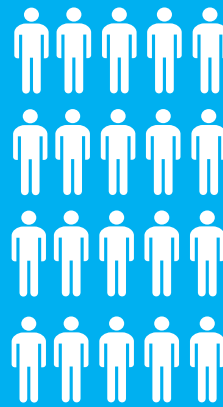
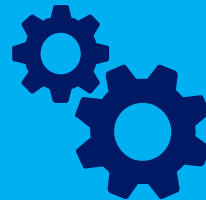
Biostatistics, Novo Nordisk, Denmark
PhUSE US Connect 2019

WHICH ONE ARE YOU?

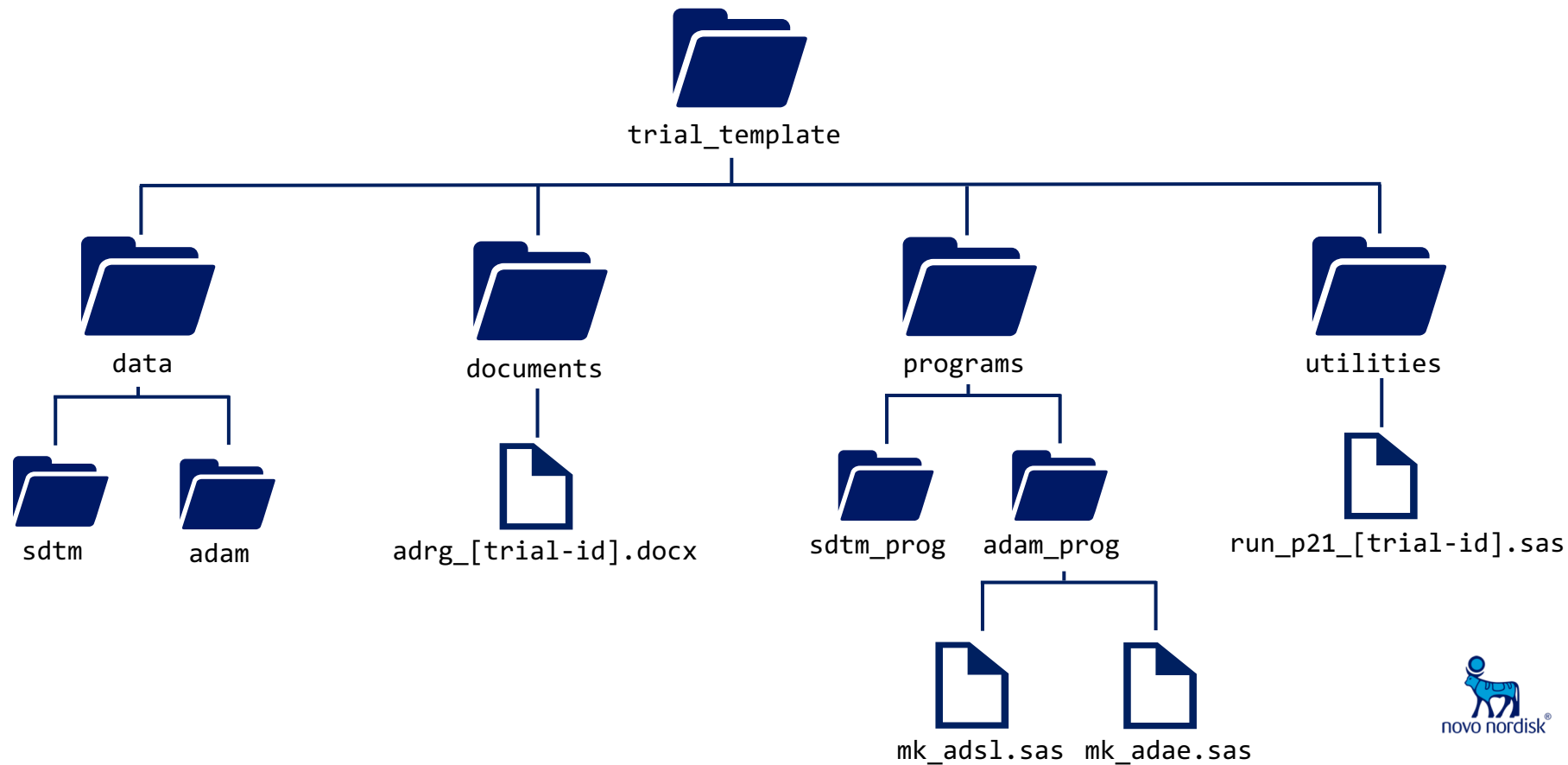
MANUAL WORK



AUTOMATION



Trials from templates



Trials from templates

```
/******  
Program       : mk_adsl.sas  
Programmer    : Author Name  
Purpose       : Program to generate the adam.adsl dataset  
Trial         : [trial-id]  
*****/  
  
/* Library setup */  
libname sdtm  "/full/path/to/your/trials/[trial-id]/data/sdtm";  
libname adam  "/full/path/to/your/trials/[trial-id]/data/adam";
```



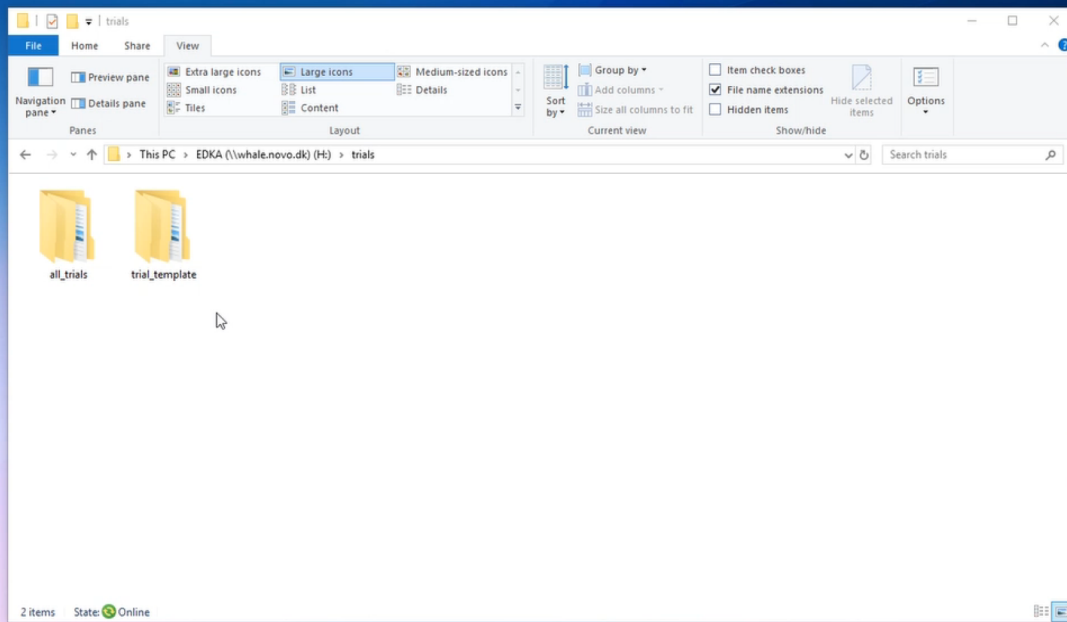
mk_adsl.sas

Manual set-up

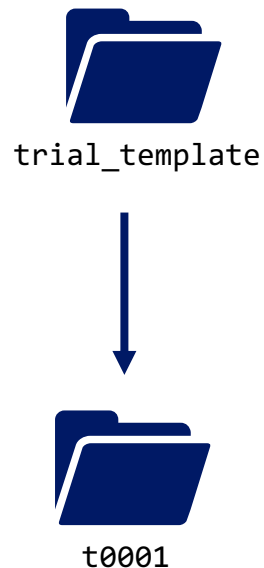

trial_template




t0001



Automatic set-up



prepare_trial.sh

Automatic set-up



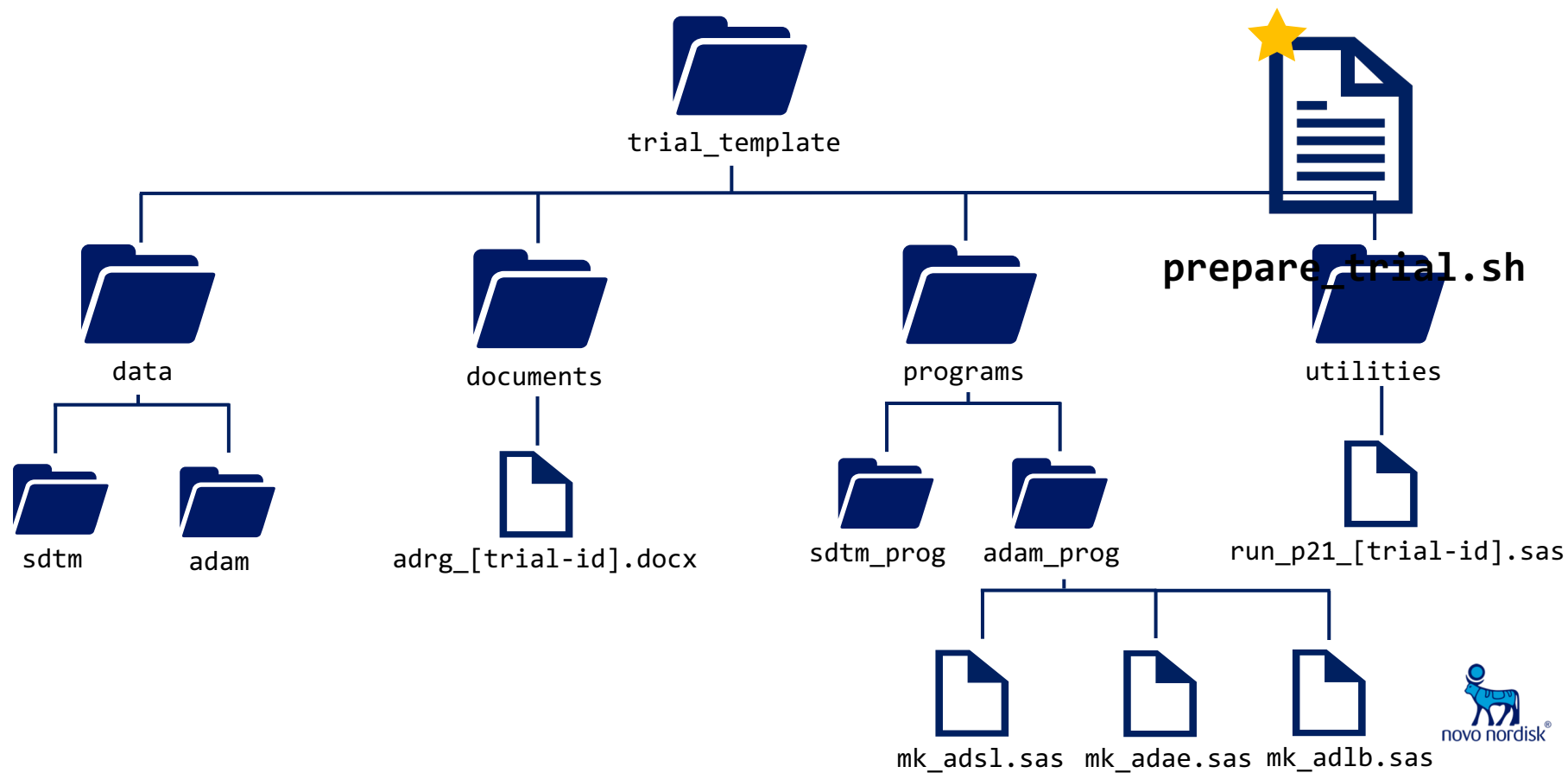
trial_template



t0001

```
whale:edka>ll
total 32
drwxrwx--- 8 edka      sceuser    8192 Feb 12 16:26 all_trials/
-rwxrw---- 1 edka      sceuser    2667 Feb 12 18:37 prepare_trial.sh*
drwxrwx--- 6 edka      sceuser      96 Feb 14 18:00 trial_template/
whale:edka>
```

Changes to the template



A look into the code

```
# Input
path_to_trials=/full/path/to/your/trials
path_to_template_dir=/full/path/to/your/template_dir
# End of input
```

```
trial_id=$1
trial_dir=$path_to_trials/$trial_id
```

```
if [ ! -d $path_to_template_dir ]; then
    echo "Template directory $path_to_template_dir does not exist."
    exit 1
fi
```

```
if [ ! -d $trial_dir ]; then
    echo "Trial directory $trial_dir does not exist."
    exit 1
fi
```

A look into the code

```
dirs_in_tmpl_dir=`find $path_to_template_dir -type d -name "*" `

for dir in $dirs_in_tmpl_dir; do
    new_dir=`echo "$dir" | perl -pe "s|\\Q$path_to_template_dir\\E|$trial_dir|g" ` \
        | perl -pe "s|\\[trial-id\\]|$trial_id|g" `

    if [ ! -d $new_dir ]; then
        mkdir -p $new_dir
    fi
done
```

A look into the code

```
files_in_tmpl_dir=`find $path_to_template_dir -type f -name "*"``  
  
for file in $files_in_tmpl_dir; do  
    new_file=`echo "$file" | perl -pe "s|\\Q$path_to_template_dir\\E|$trial_dir|g" \  
        | perl -pe "s|\\[trial-id\\]|$trial_id|g"`  
  
    if [ ! -f $new_file ]; then  
        cp $file $new_file  
  
        perl -i -pe "s|\\[trial-id\\]|$trial_id|g" $new_file  
    fi  
done
```



`prepare_trial.sh`



Automatically
prepares trials



Replaces
names



Updates
content

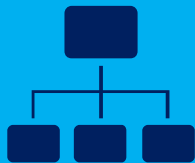


Recognizes
updates

Advantages



Fast



Independent of
structure



Easy set-up

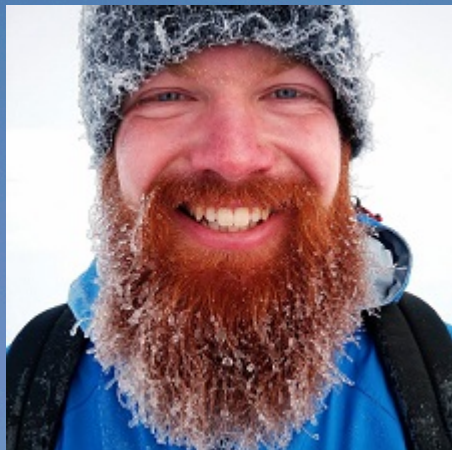


No maintenance



No human
errors

ACKNOWLEDGEMENTS



Johan Ejstrud
Statistician





THANK YOU!

