

From: Ewa Jarocka
To: [Sarah McIntyre](#)
Cc: [Saad Nagi](#); [Håkan Olausson](#)
Subject: Re: SC analysis - trials with gestures
Date: 22 May 2018 14:38:45

Sure, the file **STouch_Intervals.mat** has been updated also, since I plotted the histograms. So you need to do as I described in our "ISIs" email :)

You'll find all data in:
Social Communication Micro\Matlab\m files

There are 2 mat files you're going to need: **STouch_Intervals.mat** and **RawDataInfo.mat**

RawDataInfo.mat - is a table with information about each period of the recordings, so to find the rows of a certain unit type for a certain gesture you need 2 variables:

StimulusDetails (27th column): Gratitude, Attention, Love etc.,

UnitType (5th column): FAIL, SAI etc.,

Row numbers are stored in the other mat file in a field **DataIdx**, so you'll know everything about the intervals by checking the table **RawDataInfo**.

STouch_Intervals.mat - is a structure **All_Intervals**, in which each row pertains to the data from one gesture of a certain unit (so there are 185 rows, just like in **Results** in the Excel file).

There are 2 fields:

I - contains intervals (in ms)

DataIdx - contains an index which is congruent with the row number in

a **RawDataInfo.mat**

On Tue, May 22, 2018 at 10:59 AM, Sarah McIntyre <sarah.mcintyre@liu.se> wrote:

Thanks Ewa!

Can I grab the ISIs as before?

From: Ewa Jarocka <ewa.jarocka@umu.se>

Sent: 21 May 2018 16:39

To: Saad Nagi <saad.nagi@liu.se>; Sarah McIntyre <sarah.mcintyre@liu.se>

Cc: Håkan Olausson <hakan.olausson@liu.se>

Subject: Re: SC analysis - trials with gestures

Dear All,

I have updated the results pertaining to the *Social touch* protocol (all data collected in April has been sorted out and if approved included in the analyses). For slowly adapting units trials with sustained force level have also been analysed.

All the best,

Ewa

On Mon, Apr 23, 2018 at 4:00 PM, Ewa Jarocka <ewa.jarocka@umu.se> wrote:

Dear All,

I have finished the analysis for units collected during my first week at LiU.

I did not change anything in terms of directories, plots nor Excel sheet with the results but just to summarize:

1. Directory to the figures - *Social Communication Micro\Matlab\Figures*

There are 3 types of figures:

I. Each period's response with calculated parameters e.g., *STouch_Happiness_SC-19-4_Zoom_252_Period_6_RawDataRow_290*

II. Histograms of the inter-spike intervals across unit type
e.g., *AllGesturesHist_LIN_HFA* if on a linear scale, *AllGesturesHist_LOG_HFA* if on a logarithmic scale.

III. Responses pertaining to each gesture separately for easy comparison between unit types.

2. Directory to the Excel sheet with the results - *Social Communication Micro\Matlab\Results\Results_STouch.xlsx*

Results_STouch.xlsx contains **Results** formatted as previously and **VarCoeff** - with coefficient of variation across unit types for each gesture.

Best regards,

Ewa

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