Subject: Re: Consonant and vowel confusions in speech-weighted noise
From: Kevin Tang <kevin.tang.10@ucl.ac.uk>
Date: 05/18/2015 08:46 PM
To: "jontalle@illinois.edu" <jontalle@illinois.edu>

Hi Jont,

Thank you so much for the extensive documentation and comments on the database. You've been most helpful. Also I have managed to open up the .mat via Matlab.

I have one quick question regarding the participants. In the .mat file, it shows 32 listeners. I am not sure which studies they came from.

The 2007 study recruited 14 listeners (but four were bad listeners?) and Singh, Riya and Allen, Jont B 2012 added 11 listeners, which makes 25 in total, or 21 excluding the 4 from the 2007 study. Furthermore, Toscano and Allen 2014 recruited 14 additional listeners.

Many thanks,
Kevin

--
Kevin Tang
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On 19 May 2015 at 00:15, Jont Allen <jontalle@illinois.edu> wrote:
> more useful information
> This doc file tells you how to get at the data in a simple manner.
>
> I'm realizing something that may be important.
> There are two formats for the data base. I gave you the simple format.
> The orginal format used cell arrays that were difficult for some
> of us to use.
> If you preffer the cell array version, so that you can used these
> programs unmodified, let me know, and I can send you that one.
> Same data, different format (more complex storage method).
>
> Jont
>
>
> On 05/18/2015 02:51 PM, Kevin Tang wrote:
> > Hi Jont,
> >
> > Yes, it is the 64x64 database of 16 cons + 4 vowels at 6 SNR
> > condition. So the MN64.mat is the one. (Your collection of data is
> > rather impressive!)
> >
> > "are you planning to take your own data using the same speech sounds we
> > used? What is your protocol (as best you know right now)?"
> > Yes, I'm planning to compare my own confusion matrices and
> > experimental matrices. The protocol/method of comparison at the moment
> > is to first match the matrices by the speech sound they shared

> (subsetting) and convert them to distance matrices and simply run
> correlation tests.
>
> Much appreciated,
> Kevin
>
> --
> Kevin Tang
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>
> On 18 May 2015 at 20:16, Jont Allen <jontalle@illinois.edu
> <mailto:jontalle@illinois.edu>> wrote:
>
>   are you planning to take your own data using the same speech sounds we
>   used? What is your protocol (as best you know right now)?
>
>   Another question below:
>
>   On 05/18/2015 01:23 PM, Kevin Tang wrote:
>   > Dear Jont and Sandeep,
>   >
>   > Thank you so much for the prompt reply.
>   >
>   > My advisors at University College London are Prof. Andrew Nevins
>   > (Linguistics) and Prof. Stuart Rosen (Speech Sciences).
>   >
>   > This forms part of my thesis. I aim to compare perceptual confusions
>   > occurred in the `wild' (self-reported diary-corpus) with various
>   > experimental confusion data (e.g. Miller and Nicely...), to see how
>   > they differ, and if different SNR levels or masking noise would
>   make a
>   > difference.
>   >
>   > It would be very helpful if you could share the consonant and vowel
>   > confusion matrices at each SNR level + Quiet.
>   We have lots of data, with different experiments. Do you mean the
>   64x64
>   database of 16 cons + 4 vowels?
>   The databases we have are on display at:
>
>   http://173.161.115.243/index.php/AuditoryModels/HomePage
>   scroll down to:
>   Summary of UIUC-HSR Experiments (Updated Mar 15, 2014)
>   I believe your talking about experiment
>   2004   MN64 (MN04SWN) Phatak & Lovitt Miller-Nicely in SWN;
>   {Vldc}=/a,I,Q,e/ or \textipa{A, I, \ae, eI}
>   *{Ns}=14-4 bad subjects*   Phatak & Allen (2007) [PA07]
>
>
>   For this experiment the data file (for reference) is (there should
>   be a

> password on it):
>
> http://auditorymodels.org/HSR/Christoph.12/SPDB-EDS/EDSs/EDS_MN64.mat
>
> >
> > I do have publications but not on this topic. After my viva (in
> Aug.),
> > I have plan to publish the chapters separately, so time-line wise it
> > won't be until early 2016 before we publish this work.
> >
> > I agree to not give the data to other researchers.
> >
> > Many thanks,
> > Kevin
> >
> > --
> > Kevin Tang
> > Doctoral candidate | Department of Linguistics, University
> College London
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> > Twitter: http://twitter.com/tang_kevin
> >
> > On 18 May 2015 at 19:02, Jont Allen <jontalle@illinois.edu <mailto:jontalle@illinois.edu>
> > <mailto:jontalle@illinois.edu <mailto:jontalle@illinois.edu>>>
> wrote:
> >
> >   Hi Kevin
> >   Can you please give me a short synopsis about what you would
> like
> >   to do?
> >   I would be happy to help you if I have a better understanding
> >   of your goals and the concept of where your going. I need to
> know
> >   exactly what data your looking for, for example, and what
> you hope to
> >   accomplish
> >   with this.
> >   Who is your advisor?
> >   Do you have any publications at this point?
> >   What is your time line?
> >
> >   You would need to agree to not give the data to other
> researchers
> >   (anyone who would like it needs to go through me).
> >
> >   Jont
> >
> >   On 05/18/2015 12:57 PM, Sandeep Phatak wrote:
> >   > Hi Kevin,
> >   >� � � � � �My co-author and advisor Jont Allen has the
> confusion
> >   > matrices used in Phatak & Allen (2007) paper. I am copying him

> > so that
> > > he can assist you further.
> > >
> > > regards,
> > > Sandeep
> > >
> > >
> > > On Mon, May 18, 2015 at 2:33 AM, Kevin Tang
> > <kevin.tang.10@ucl.ac.uk <mailto:kevin.tang.10@ucl.ac.uk>
> <mailto:kevin.tang.10@ucl.ac.uk <mailto:kevin.tang.10@ucl.ac.uk>>
> > > <mailto:kevin.tang.10@ucl.ac.uk
> <mailto:kevin.tang.10@ucl.ac.uk>
> > <mailto:kevin.tang.10@ucl.ac.uk <mailto:kevin.tang.10@ucl.ac.uk>>>> wrote:
> > >
> > >� � �Dear Dr. Phatak,
> > >
> > >� � �I am writing regarding your 2007 paper on "Consonant
> and vowel
> > >� � �confusions in speech-weighted noise".
> > >
> > >� � �I was wondering if the raw confusion matrices obtained
> in this
> > >� � �study are available for research purposes. If used, it
> will be
> > >� � �properly cited.
> > >
> > >� � �I'm looking forward to hearing from you.
> > >� � �Best wishes,
> > >� � �Kevin
> > >� � �--
> > >� � �Kevin Tang
> > >� � �Doctoral candidate | Department of Linguistics, University
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