Following are the comments of the program committee on the paper:
%Beygelzimer et al./Reductions Between Class. Tasks (#59)

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The definitions of Section 2.1 seem to me to be somewhat imprecise
and hard to understand.
        -- In the sentence which continues
from p. 2 to p. 3, it is implied that a reduction maps a sample $S
\subseteq X \times K$ to a sample $S' \subseteq X' \times K'$,
but I don't see where this is explicitly stated, either in the prose
or in Definition 4.  The following paragraph ("This
defined $D'$..." should also be clarified; what is being "invoked",
the learning algorithm $A'$?  How is $h$ involved in the previous
paragraph (defining $D'$ for a single invocation)?
        -- In Definition 4, the function $g$ is not uniquely defined -- is
the intended meaning that it be in some sense the minimum function
which has this property?

It seems that the confidence parameter is never discussed anywhere
in the paper.  Can you discuss (perhaps briefly) how this enters the picture?

Can you give citations for the results in the table at the top of
p. 6?  Are these reductions to binary classification?

Typos:  in appendix B fix "learinng"

Many definitions and a few results are given on reduction of
a classification problem to another. The results don't seem to
be very relevant from a practical point of view (though I may be wrong).
The theoretical results are ok.

The paper tries to give a unifying framework for reductions between
learning problems.
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