

Table 1: Features and their descriptions

Attribute	Type	Description
Age	Number	Age in years
Gender	String	Male or Female
Ethnicity	String	List of common ethnicities in text format
Born with jaundice	Boolean (yes or no)	Whether the case was born with jaundice
Family member with PDD	Boolean (yes or no)	Whether any immediate family member has a PDD
Who is completing the test	String	Parent, self, caregiver, medical staff, clinician ,etc.
Country of residence	String	List of countries in text format
Used the screening app before	Boolean (yes or no)	Whether the user has used a screening app
Screening Method Type	Integer (0,1,2,3)	The type of screening methods chosen based on age category (0=toddler, 1=child, 2= adolescent, 3= adult)
Question 1 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 2 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 3 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 4 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 5 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 6 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 7 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 8 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 9 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Question 10 Answer	Binary (0, 1)	The answer code of the question based on the screening method used
Screening Score	Integer	The final score obtained based on the scoring algorithm of the screening method used. This was computed in an automated manner

These are the AQ-10 Questions and the replies to these questions constitute the first 10 columns on the dataset

(Yes/No are valid replies)

1 I often notice small sounds when others do not

2 I usually concentrate more on the whole picture, rather than the small details

3 I find it easy to do more than one thing at once

4 If there is an interruption, I can switch back to what I was doing very quickly

5 I find it easy to 'read between the lines' when someone is talking to me

6 I know how to tell if someone listening to me is getting bored

7 When I'm reading a story I find it difficult to work out the characters' intentions

8 I like to collect information about categories of things (e.g. types of car, types of bird, types of train, types of plant etc)

9 I find it easy to work out what someone is thinking or feeling just by looking at their face

10 I find it difficult to work out people's intentions