Benchmarking
Year 6 Primary Writing using Adaptive Comparative Judgement

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School LF

Thank you for agreeing to take part in the January 2018 Writing Assessment using Adaptive Comparative Judgement (ACJ).

Abstract: During January 2018, 19 schools took part in the ACJ judging of writing. This enabled 91 judges to make 5860 judgements on 586 pieces of children's work. On average each child's piece of work was judged 20 times, each judge making approx 64 judgements. Each judge took, on average 1 hour 15 mins to complete their judgements. A score of 0.85 shows reliability to be high where 1 is the highest possible score and 0 the lowest. Traditional marking of pupils' work against rubrics usually scores between 0.4-0.5 for reliability.

All schools received the same instructions and all writers the same stimulus - a video - between 05.01.18 - 12.01.18. The video was downloaded by each school from https://www.literacyshed.com/dreamgiver.html. Writers' instructions were kept to a minimum: "You have 40 mins to write a narrative (story) based on the video stimulus, or write a recount of the video you have just watched". Writers had 5 mins to make notes before the writing time began. There was no additional scaffolding, modelling or use of success criteria.

This report summarises the results for your school, explains the figures, gives some background to ACJ and makes some further suggestions as to what you can do with the information that you have received to support teaching and learning in your school next year.

Introduction to ACJ

Adaptive Comparative Judgement uses a pairwise judgement engine to allow professional collective consensus (PCC) of writing. The PCC is the aggregate decision of 20 judgements. The adaptive element of the Adaptive Comparative Judgement engine used in this assessment seeks to use its' algorithm to 'fine-tune' judgements by referring back to previous pairwise judgements involving the same scripts made by other judges rather than simple pairing scripts randomly. In this way, the algorithm can build confidence in the rank placement for each script more quickly, avoiding unnecessary judgements that would result from non-adaptive script pairings, reducing the overall time required to reach a final rank order, whilst maintaining a strong levels of overall assessment reliability. This does take slightly longer to assess a batch of writing (between 60 and 90 seconds per pair) but does offer the advantage of ensuring that judgements are based on a thorough understanding of the quality of each piece rather than a 'gut feeling'. Judges in ACJ sessions predominantly judge writers' work from other schools, rarely judging writing from their own school and even more rarely judging two pieces of writing from their school against each other. We think that this removes inherent bias in knowing the child and their 'struggle', recognising handwriting, etc. In doing this, schools can be confident that the final PCC rank order is derived from professional judgements that contain limited or no inherent bias.

Results from LF school

Figure 1 shows the overall rank obtained at the ACJ session in this trial. The horizontal axis shows the rank position obtained by each pupil while the vertical axis shows the parameter value that piece of work obtained during the session. In this figure all results are anonymised.

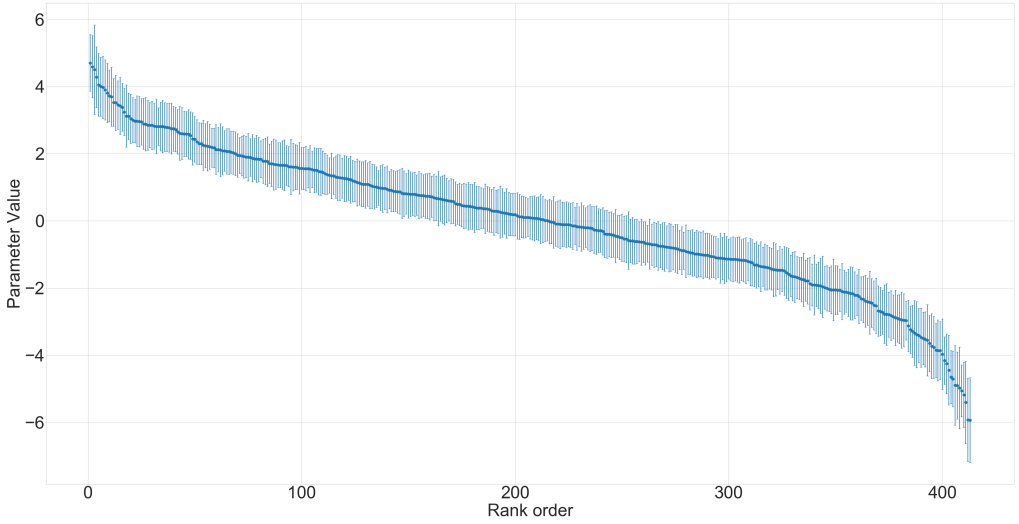

Figure 1. Parameter values as a function of the pupil rank obtained in the CompareAssess session from January 2018. This is an anonymous illustrated example

Figure 2 shows an anonymised boxplot figure comparing your school with respect to all other schools in the trial. The orange line in the middle of the box shows the median value of the parameter rank of the schools group of pupils. The small circles that some schools display underneath the whiskers are outliers where one writer is significantly above or below the range of other writers in that particular school. The schools are ordered left to right by their median parameter value.

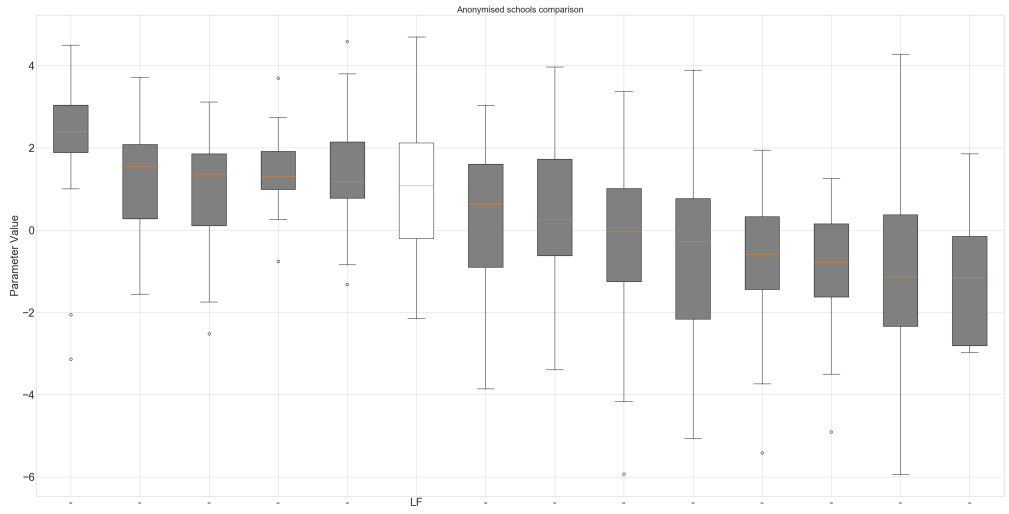

Figure 2. Anonymised box plot comparison of your school with all other schools in the CompareAssess session from January 2018.

Figure 3 shows a visualisation of the full rank obtained in the session, highlighting in red the students from your school.

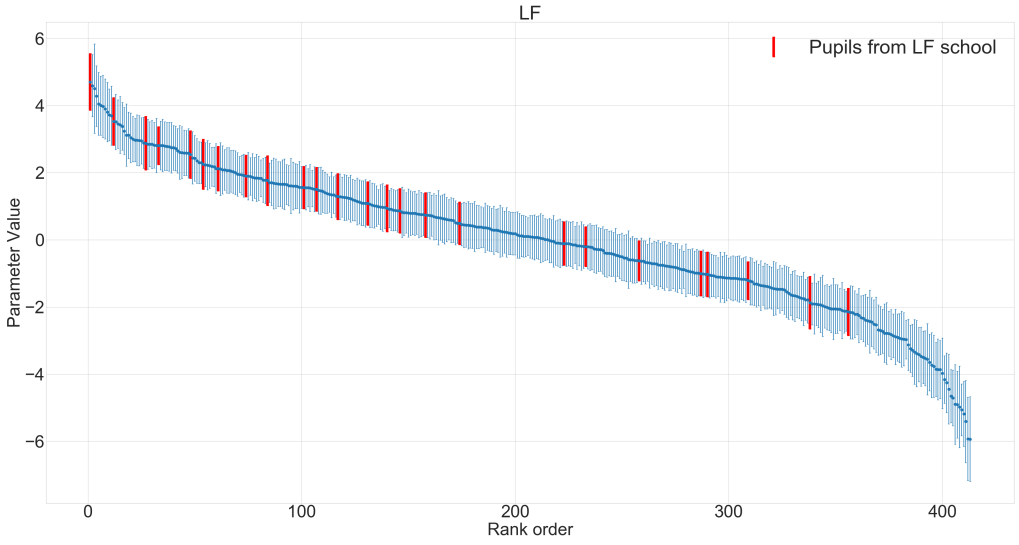

Figure 3. Pupils from your school (marked in Red) shown in relation to all of the pupils in the trial.

Table 1 shows how each of the writers in your school performed in the ACJ session. You can see the writers' rank in the full session when judged against the other 586 writers. The Full Session Quintile shown in percentage terms where the writers finished in comparison to the other writers as a percentage. The larger the number the higher the writers rank. The school rank is the rank order achieved when we compare the writers in your school only.

Table 1. Data table showing the results obtained by your school in the CompareAssess session from January 2018.

Student id	Rank parameter	Standard Error	School	Group	Rank Full Session	Full Session Quantile	Rank School
SanaN.pdf	4.7001643	0.8435761	LF	LDN	1	99	1
HannahM.pdf	3.5263906	0.7085395	LF	LDN	12	97	2
AbdulM.pdf	2.878154	0.79642683	LF	LDN	27	93	3
IreneB.pdf	2.8084831	0.5627581	LF	LDN	33	92	4
JamesC.pdf	2.542057	0.7073837	LF	LDN	48	88	5
ToniW.pdf	2.2529263	0.7453537	LF	LDN	54	87	6
LilyC.pdf	2.1225607	0.6629568	LF	LDN	61	85	7
Daisy.pdf	1.8995382	0.6201083	LF	LDN	74	82	8
LeoN.pdf	1.7658573	0.7394088	LF	LDN	84	79	9
RachaelE.pdf	1.557355	0.6324004	LF	LDN	101	75	10
CatharineD.pdf	1.5060334	0.6540287	LF	LDN	107	74	11
MikelZ.pdf	1.2889562	0.68520063	LF	LDN	117	71	12
Rosie H.pdf	1.0833083	0.6498281	LF	LDN	131	68	13
NoaBP.pdf	0.94096994	0.6966186	LF	LDN	140	66	14
MohabS.pdf	0.86349905	0.6622311	LF	LDN	146	64	15
JaneilY.pdf	0.7378119	0.6682722	LF	LDN	158	61	16
AnnaK.pdf	0.49218994	0.6356051	LF	LDN	174	58	17
JamesC.pdf	-0.11013875	0.6455112	LF	LDN	223	46	18
Freya H.pdf	-0.20241328	0.59391236	LF	LDN	233	43	19
MuhanedR.pdf	-0.625497	0.5982533	LF	LDN	258	37	20
AzizD.pdf	-1.0045612	0.66401786	LF	LDN	287	30	21
DanyilA.pdf	-1.0291463	0.663586	LF	LDN	290	29	22
NiharF.pdf	-1.2160645	0.5595754	LF	LDN	309	25	23
JohnahM.pdf	-1.8705057	0.7806825	LF	LDN	338	18	24
LeoT.pdf	-2.1441107	0.70131177	LF	LDN	356	13	25