



ECARDA

## Perspectives on Performance

Primary Phase Version

I used these presentation slides at the 2016 Wilkin Chapman Grimsby conference in February 2016. I looked at school-level attainment, progress, funding and school-type data and compared their distributions in a sample of local authority areas. The questions were: Are there relationships between performance and the proportion of academies? & Are there relationships between performance and funding?

**Peter Lacey**  
**February 2016**

# Perspectives on Performance

Peter Lacey  
Managing Director  
ECARDA Ltd

# About ECARDA

Education Consultancy, Advice, Research & Development Associates

- Been around for over ten years
- Focus on analysis and improvement planning
- Works with others to deliver a wide range of confidential and professional services to schools
- Past contracts with government agencies and local authorities
- One-time partnership with 'Project Realise' delivering academy and social enterprise set-ups
- Continued role in establishing and sustaining academies
- Acquired the 'Democracy in Schools Standard'
- Increasing involvement in trouble shooting
- See the website [www.ecarda.co.uk](http://www.ecarda.co.uk) for more

## SOME TOP-LEVEL SCHOOL METRICS

	PRIMARY	SECONDARY
ATTAINMENT (a)	% L4 Re^Wr^Ma	% 5A*-C GCSE equiv inc GCSE En + Ma
PROGRESS (p)	KS2 APS – KS1 APS (matched)	KS4 APS <sup>‡</sup> best 8 – KS2 APS (matched)
FUNDING (f)	Total grant funding	Total grant funding

PRODUCTIVITY refers to the relationship ( a, p )

EFFICIENCY refers to the relationship ( f, p )

EFFICIENCY INDEX (i) = P/F (points per £k)

<sup>‡</sup> see over

## VALUE FOR MONEY

### Technical note:

$$\text{VfM (secondary)} = \frac{[\{(KS4APS_{\text{best 8}}) / 8\} + 5 - KS2APS]}{\text{Per pupil grant funding expressed as } \pounds\text{k (to 3dp)}}$$

$$\text{VfM (primary)} = \frac{[KS2APS - KS1APS]}{\text{Per pupil grant funding expressed as } \pounds\text{k (to 3dp)}}$$

a, p and i can be calculated for each school

This allows:

- Schools within a LA area (LAA) to compare with each other
- Distributions of schools within an LAA to be shown as pictures (LAA thumb prints)
- Distributions of types of schools within an LAA to be shown as pictures
- LAAs to compare with each other and with national norms

This presentation uses data from all mainstream schools in:

- Barnsley
- Doncaster
- East Riding of Yorkshire
- Kingston upon Hull
- Lincolnshire
- North Lincolnshire
- North East Lincolnshire
  
- and Tower Hamlets

**But first, some general introduction to the tables and charts -**

Key Stage 2 2015: Someshire created: 10 Dec

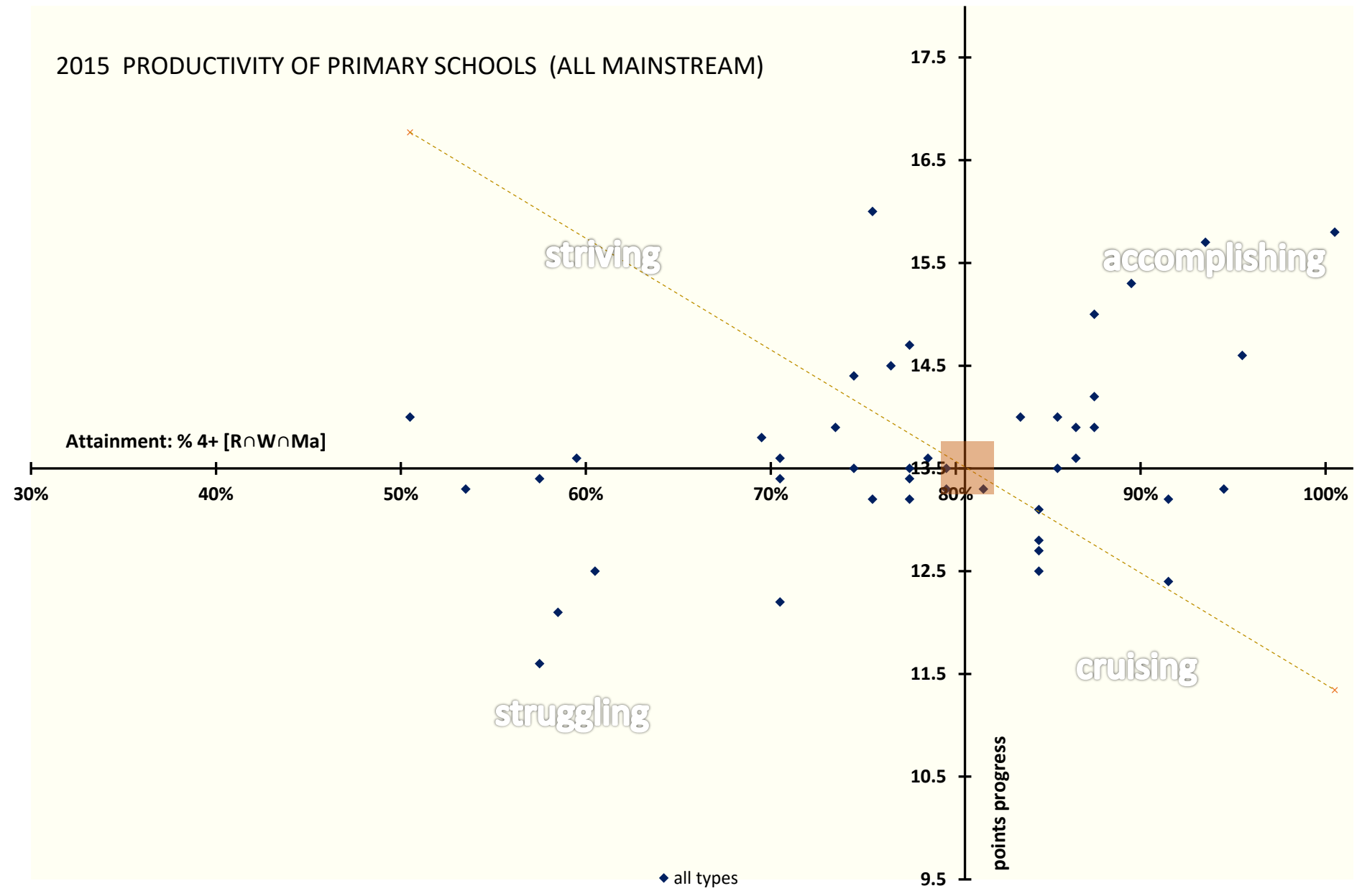
MOCK-UP EXAMPLE OF LA SHEET (PRIMARY)

ESTAB	URN	SCHOOL NAME	TYPE	KS1 APS				OVERALL	PROGRESS (APS OUT - APS IN)	per pupil grant fund (2013-14)	VfM	
				PUPILS IN SCHOOL	PUPILS IN Y6	OF Y6 PUPILS	% L4+ IN R^W^M					APS
20010	1314541	Asbbrough Primary School	CY	328	35	15.0	60%	27.5	98.9	12.5	4042	3.093
20017	1314547	Britmouth Primary Academy	ACC	195	23	15.6	70%	27.8	98.8	12.2	5881	2.074
20024	1314553	Cattleford CofE Primary School	AC	252	29	14.3	77%	27.5	99.4	13.2	4932	2.676
20031	1314559	Compton Primary School	CY	189	26	13.8	74%	28.2	100.4	14.4	4301	3.348
20038	1314565	East Brook CofE Primary School Academy	ACC	102	16	16.5	94%	29.8	99.7	13.3	6456	2.060
20045	1314571	Eastbridge Primary Academy	ACC	251	31	13.4	59%	27.0	99.9	13.6	4543	2.994
20052	1314577	Eden Primary Academy	AC	311	30	14.5	57%	26.1	98.1	11.6	5380	2.156
20059	1314583	Elphat Primary School	CY	370	40	14.6	78%	28.2	99.8	13.6	4405	3.087
20066	1314589	Exterton Primary School	CY	115	13	15.2	85%	29.2	99.6	14.0	4466	3.135
20073	1314595	Fairview Primary School	CY	320	34	14.2	70%	27.6	99.8	13.4	3760	3.564
20080	1314601	Grandhall Primary School	CY	321	45	14.6	84%	27.4	99.3	12.8	5012	2.554
20087	1314607	Greaterix Primary School	CY	275	29	15.0	87%	28.9	100.0	13.9	4692	2.962
20094	1314613	Headon Primary Academy	ACC	342	46	16.3	85%	29.8	100.2	13.5	3601	3.749
20101	1314619	Hildthorpe Academy	ACC	258	36	15.6	84%	28.1	99.1	12.5	3900	3.205
20108	1314625	Helderbridge CofE Primary School	VC	249	44	14.8	89%	30.1	101.3	15.3	3975	3.849
20115	1314631	Lazenby Road Primary Academy	ACC	204	27	15.2	93%	30.9	101.5	15.7	4160	3.774
20122	1314637	Listerton Church of England Primary Academy	ACC	531	75	15.2	87%	29.4	100.2	14.2	4205	3.377
20129	1314643	Little Rivers Primary School	CY	159	11	13.5	100%	29.3	101.5	15.8	6074	2.601
20136	1314649	Mackinnon Primary Academy	AC	536	58	13.6	73%	27.5	100.0	13.9	4728	2.940
20143	1314655	Morris Primary Academy	ACC	211	28	15.7	86%	29.3	99.9	13.6	4164	3.266
20150	1314661	New Acres Academy	ACC	321	46	15.2	83%	29.2	100.1	14.0	4097	3.417
20157	1314667	Osiris Academy	AC	591	47	11.9	50%	25.9	100.0	14.0	5140	2.724
20164	1314673	Old Castle Primary School	ACC	683	79	15.0	79%	28.5	99.8	13.5	3961	3.408
20171	1314679	Southside Primary Academy	ACC	484	62	14.0	77%	27.4	99.4	13.4	5566	2.407
20178	1314685	Reedsmuir Primary Academy	AC	464	54	13.4	70%	27.0	99.6	13.6	4272	3.184
20185	1314691	St James's Catholic Primary Voluntary Academy	ACC	191	24	14.9	75%	28.1	99.8	13.2	4631	2.850
20192	1314697	Saint Monica's Catholic Voluntary Academy	AC	244	30	12.6	53%	25.9	99.5	13.3	5443	2.444
20199	1314703	St Paul's CofE Primary School	VC	192	30	14.7	77%	28.2	99.6	13.5	4995	2.703
20206	1314709	Sandfield Junior Academy	ACC	241	56	15.2	84%	28.3	99.3	13.1	4380	2.991
20213	1314715	Simonsbridge Academy	ACC	361	90	16.5	91%	29.7	99.7	13.2	4283	3.082
20220	1314721	Springhead Primary School	CY	336	30	14.2	77%	28.9	100.8	14.7	3607	4.075
20227	1314727	Stallfort CofE Primary School	VC	118	16	14.7	79%	28.0	99.8	13.3	4394	3.027
20234	1314733	Stanton Junior and Infant School	VC	231	31	16.1	84%	28.8	99.7	12.7	3995	3.179
20241	1314739	Straddlethorpe Primary Academy	AC	187	20	12.1	75%	28.1	101.9	16.0	7516	2.129
20248	1314745	Thicket's End Primary and Nursery Academy	ACC	288	22	15.7	91%	28.1	99.5	12.4	4863	2.550
20255	1314751	Walton Naze Primary Academy	ACC	422	60	15.6	87%	30.6	101.0	15.0	4263	3.519
20262	1314757	Weeton Academy	AC	297	37	12.0	57%	25.4	99.8	13.4	6321	2.120
20269	1314763	Wellpath Academy	ACC	537	70	13.0	69%	26.8	100.2	13.8	4690	2.942
20276	1314769	Westfield Primary School	CY	258	28	14.2	74%	27.7	99.9	13.5	4787	2.820
20283	1314775	Widebridge Junior School	CY	269	59	15.3	86%	29.2	100.1	13.9	4862	2.859
20290	1314781	Willow Tree Primary Academy	AC	134	18	13.6	76%	28.1	100.6	14.5	5661	2.561
20297	1314787	Woodend Primary School	CY	348	33	13.9	58%	26.0	98.6	12.1	4893	2.473
20304	1314793	Wyfold Academy	AC	376	58	16.1	95%	30.7	100.7	14.6	4472	3.265
20311	1314799	Yoden Hall Academy	ACC	411	32	14.9	81%	28.2	99.9	13.3	4546	2.926
<b>LA (MAINSTREAM)</b>				<b>13503</b>	<b>1708</b>	<b>14.6</b>	<b>78%</b>	<b>28.3</b>	<b>99.9</b>	<b>13.7</b>	<b>4640</b>	<b>2.943</b>
<b>NAT ALL (STATE FUNDED)</b>						<b>15.3</b>	<b>80%</b>	<b>28.8</b>	<b>100.0</b>	<b>13.5</b>	<b>4370</b>	<b>3.089</b>

2012-13 FUND

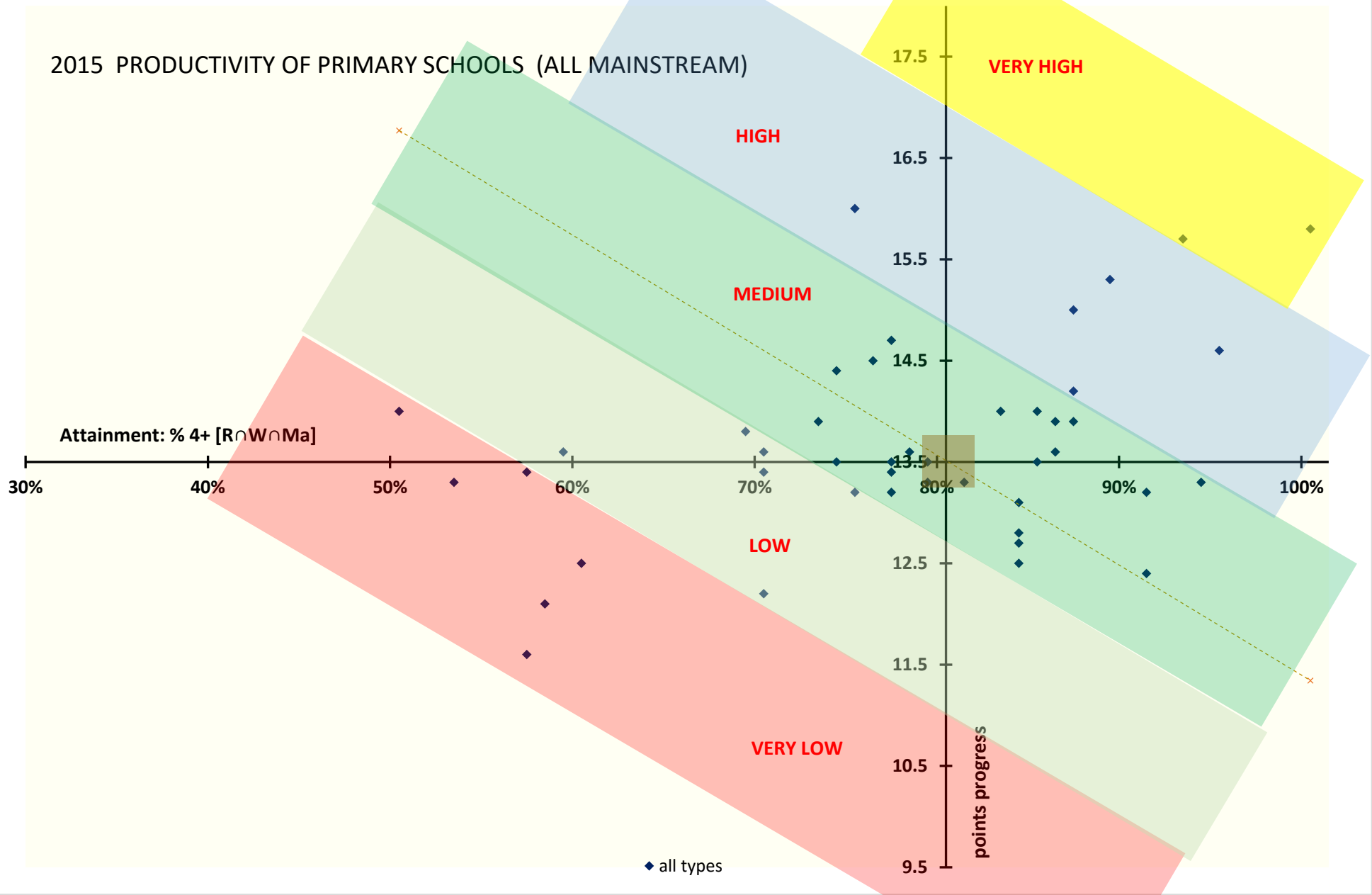
2011-12 FUND

# 2015 PRODUCTIVITY OF PRIMARY SCHOOLS (ALL MAINSTREAM)

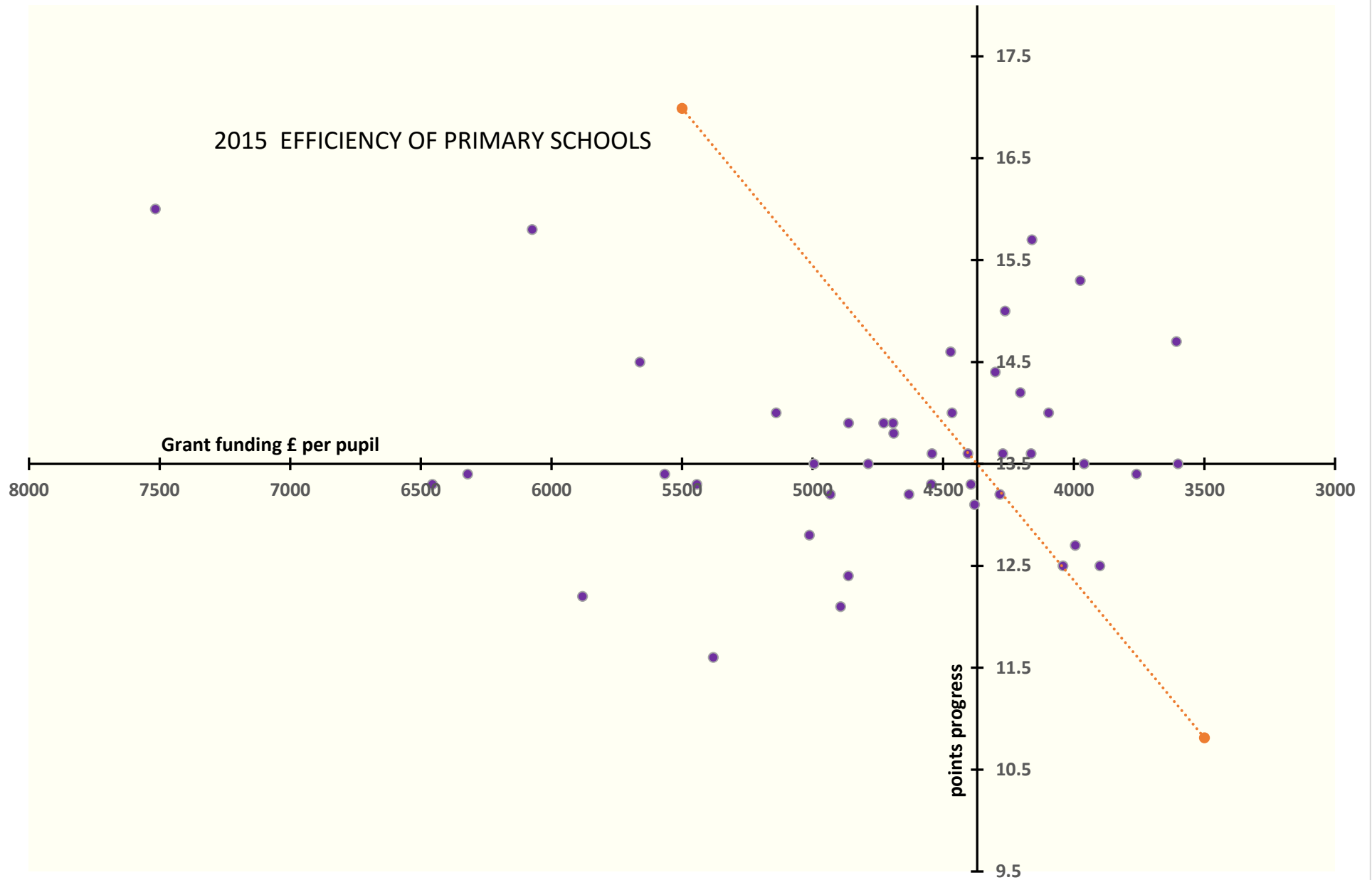




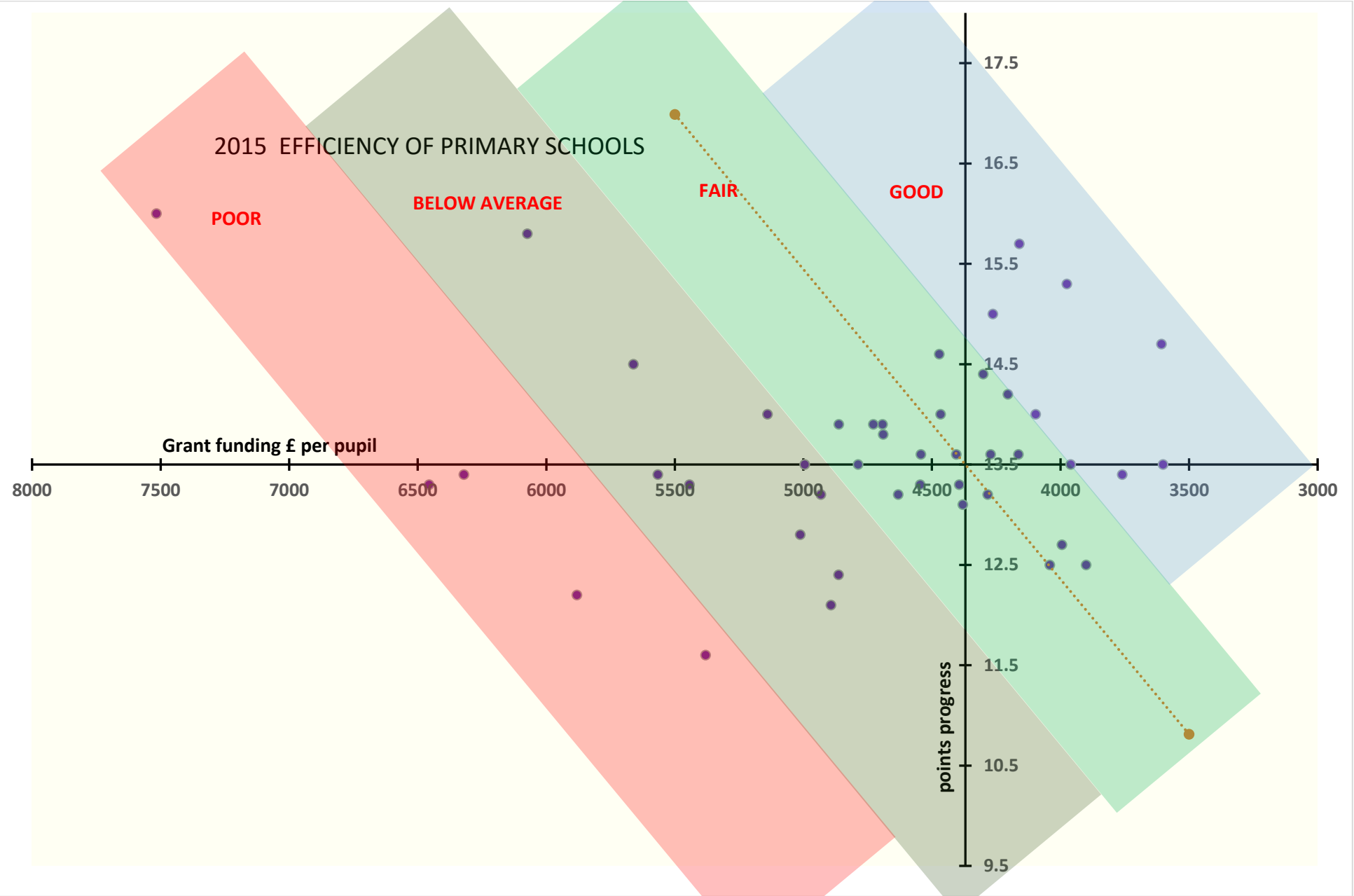
# 2015 PRODUCTIVITY OF PRIMARY SCHOOLS (ALL MAINSTREAM)



# 2015 EFFICIENCY OF PRIMARY SCHOOLS



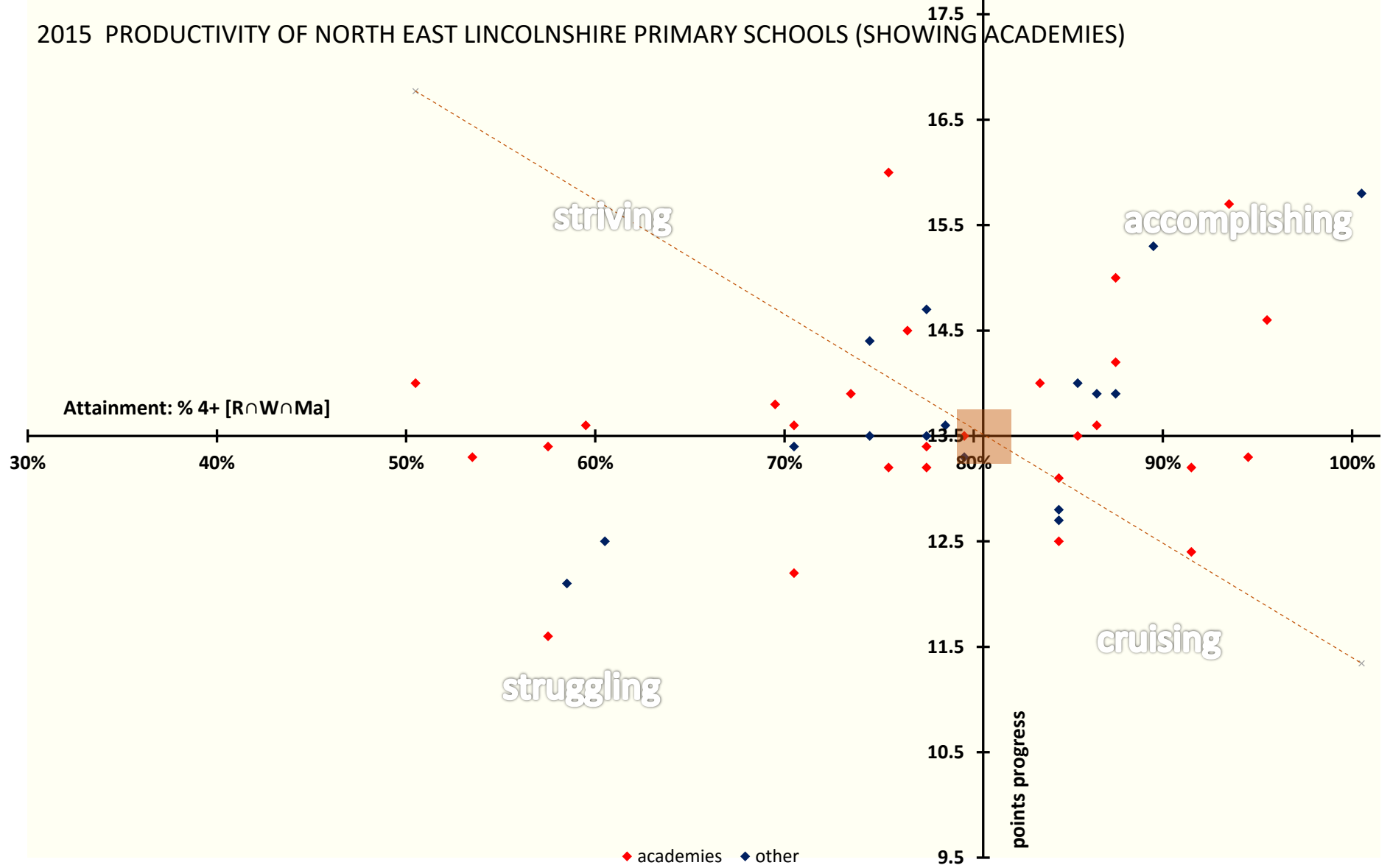
# 2015 EFFICIENCY OF PRIMARY SCHOOLS



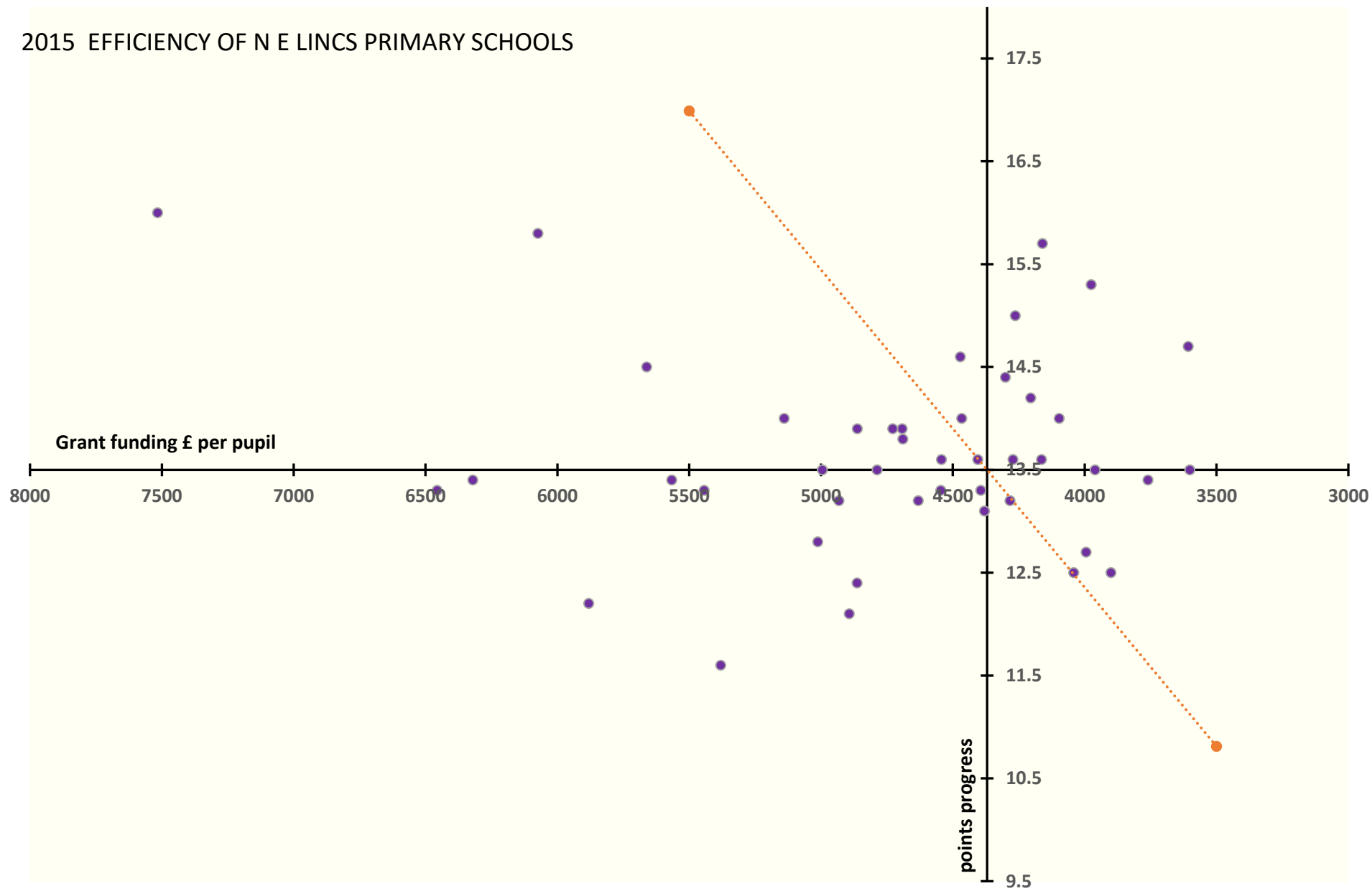
And,

Now some actual school data

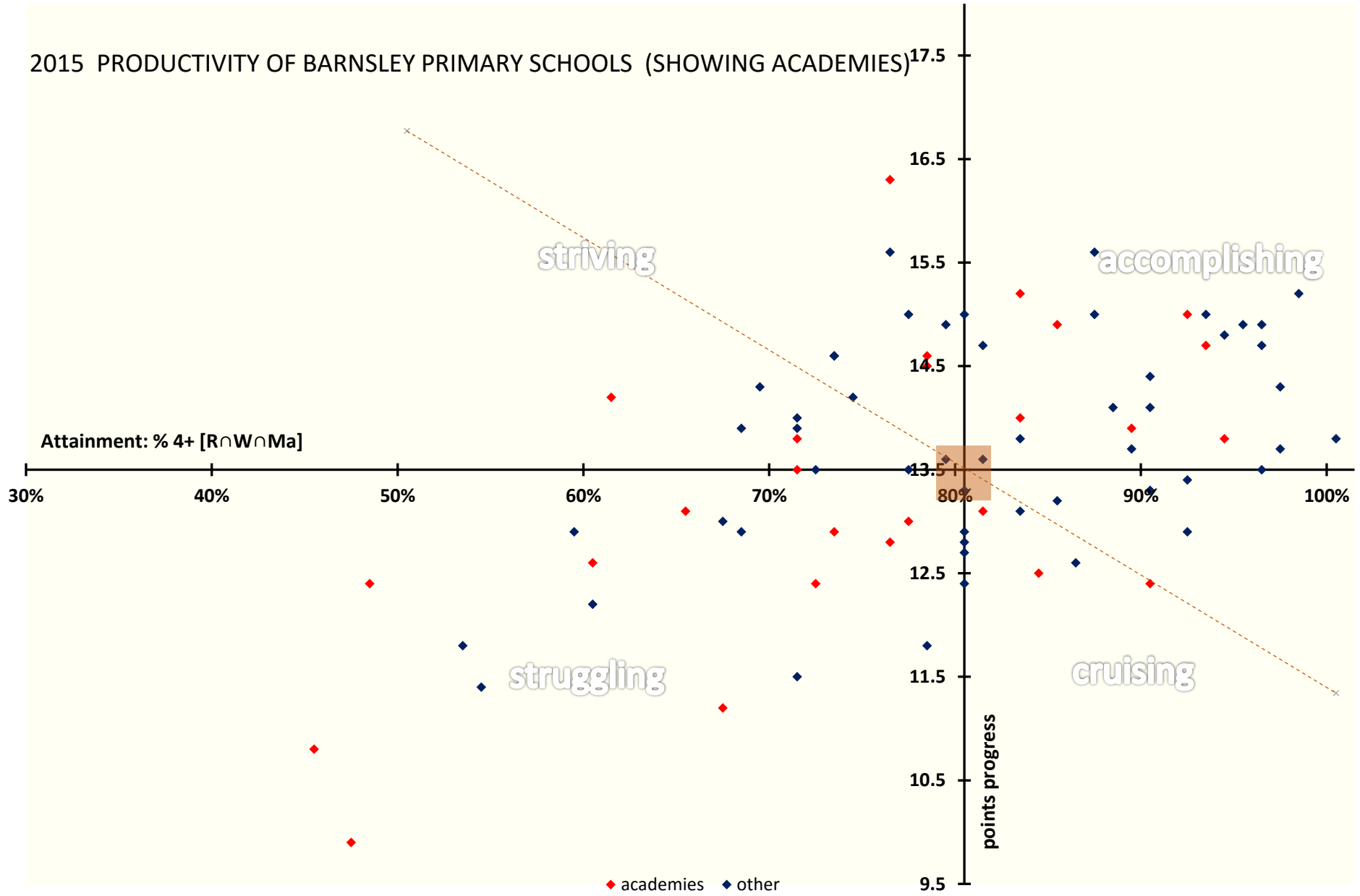
# 2015 PRODUCTIVITY OF NORTH EAST LINCOLNSHIRE PRIMARY SCHOOLS (SHOWING ACADEMIES)



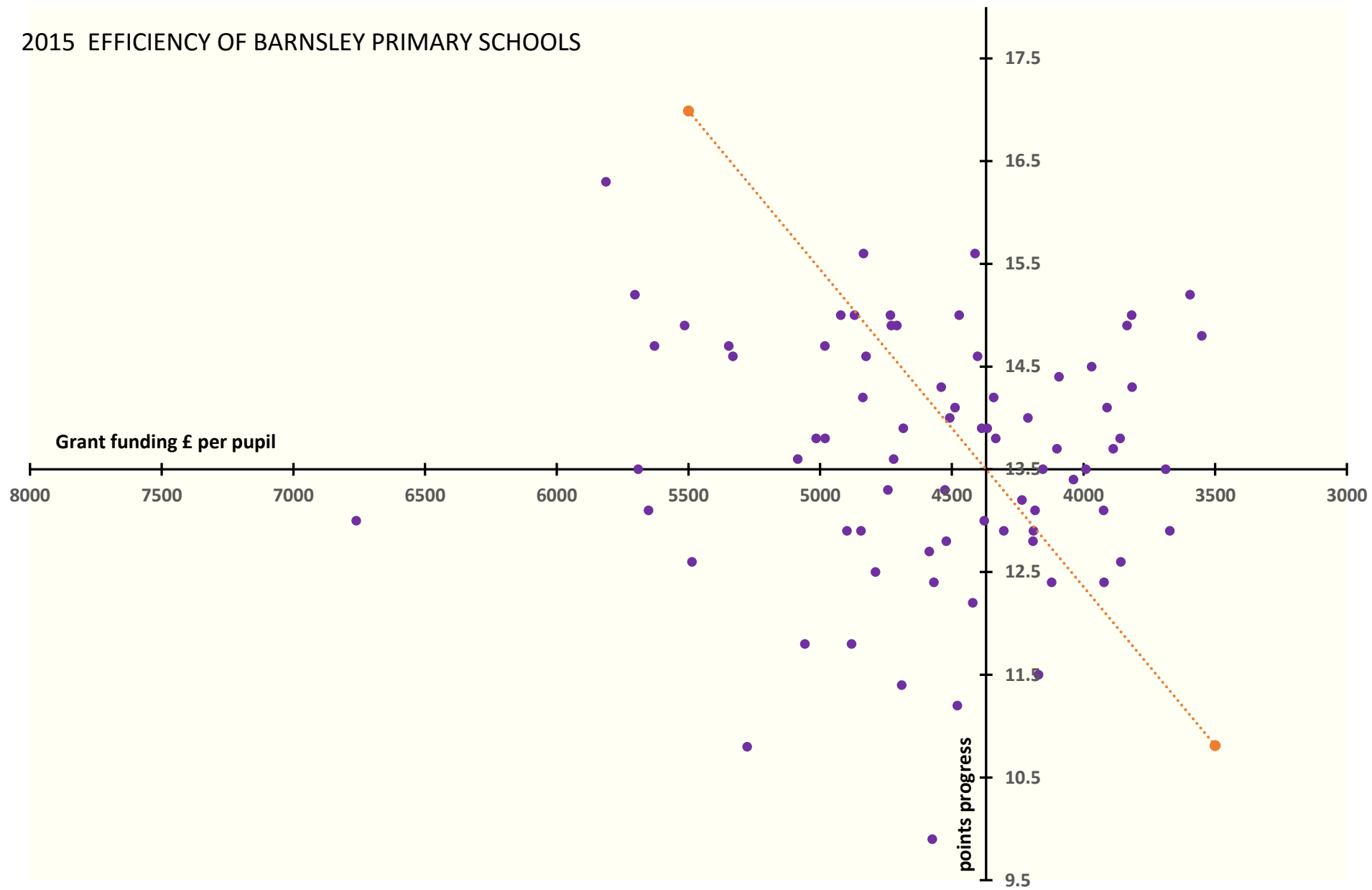
# 2015 EFFICIENCY OF N E Lincs PRIMARY SCHOOLS



# 2015 PRODUCTIVITY OF BARNSLEY PRIMARY SCHOOLS (SHOWING ACADEMIES)<sup>17.5</sup>

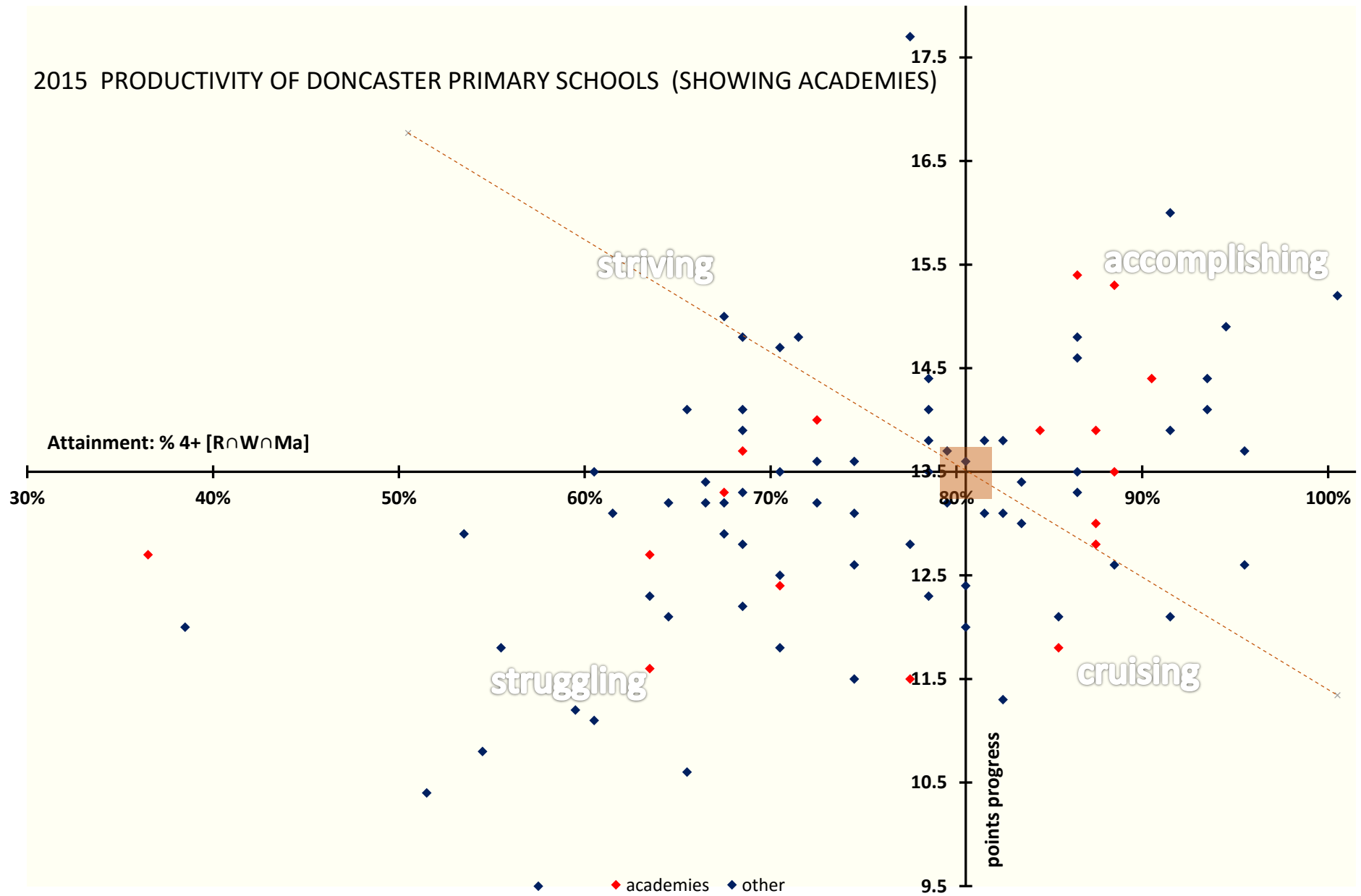


# 2015 EFFICIENCY OF BARNESLEY PRIMARY SCHOOLS

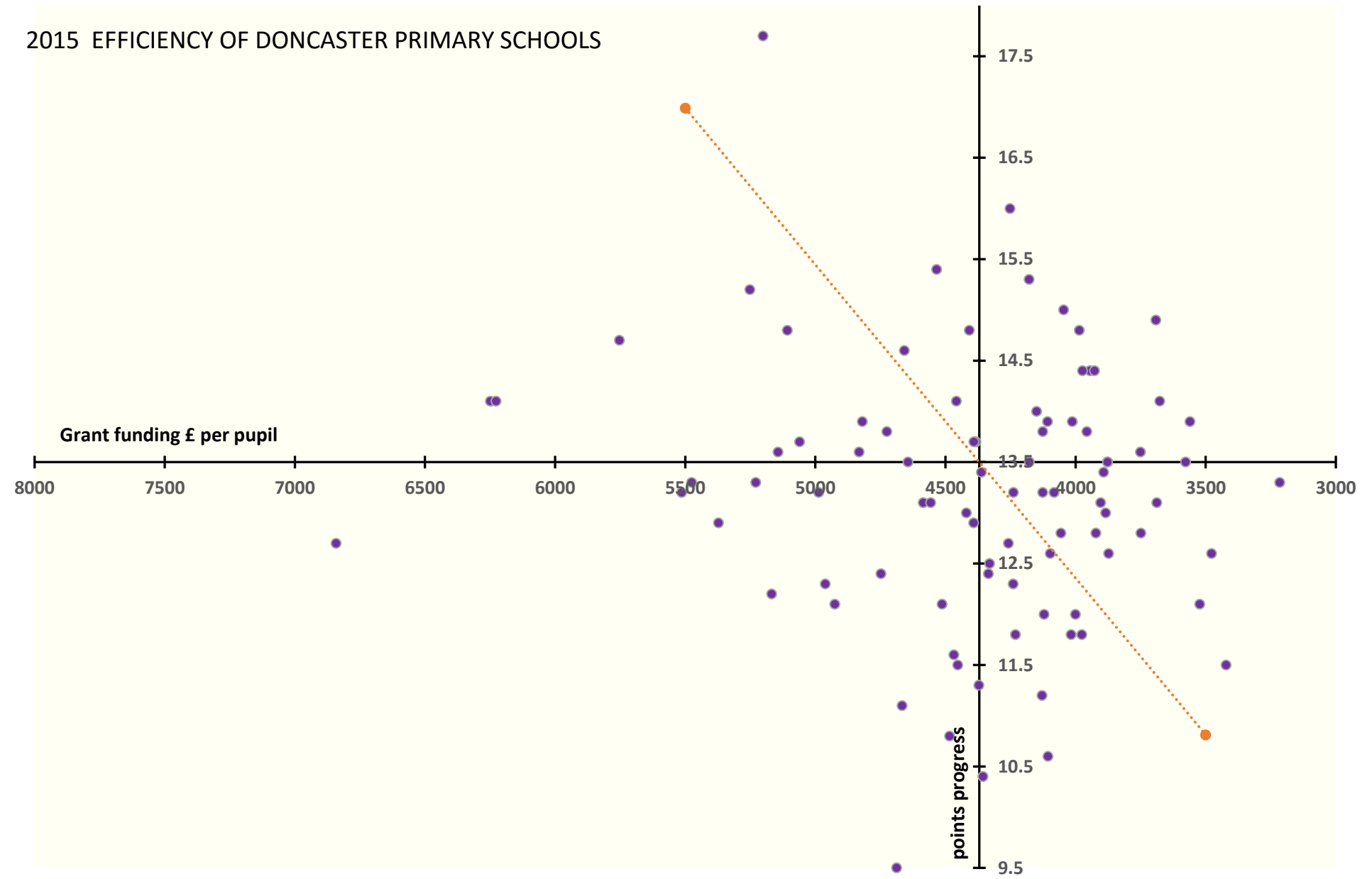




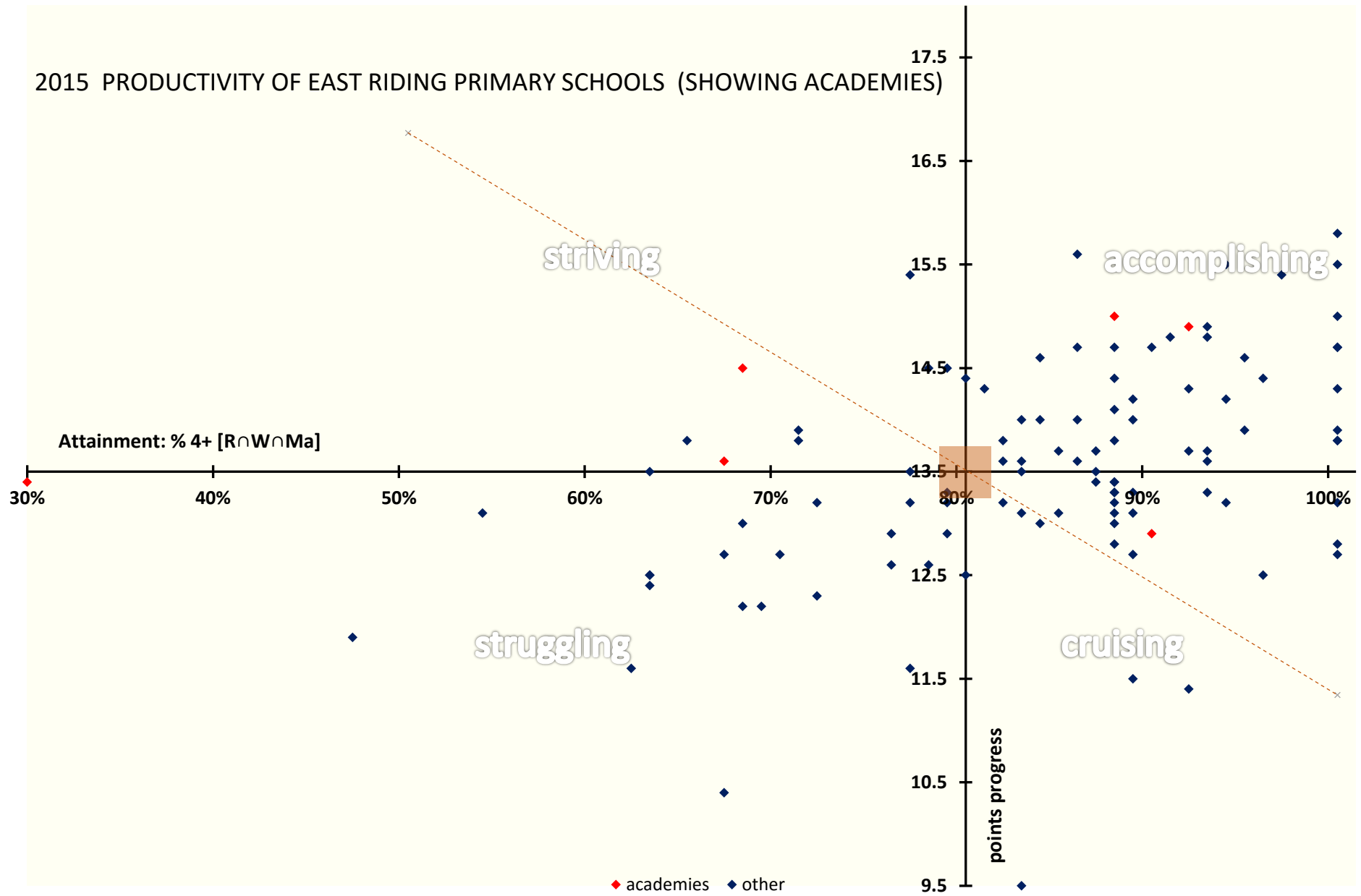
# 2015 PRODUCTIVITY OF DONCASTER PRIMARY SCHOOLS (SHOWING ACADEMIES)



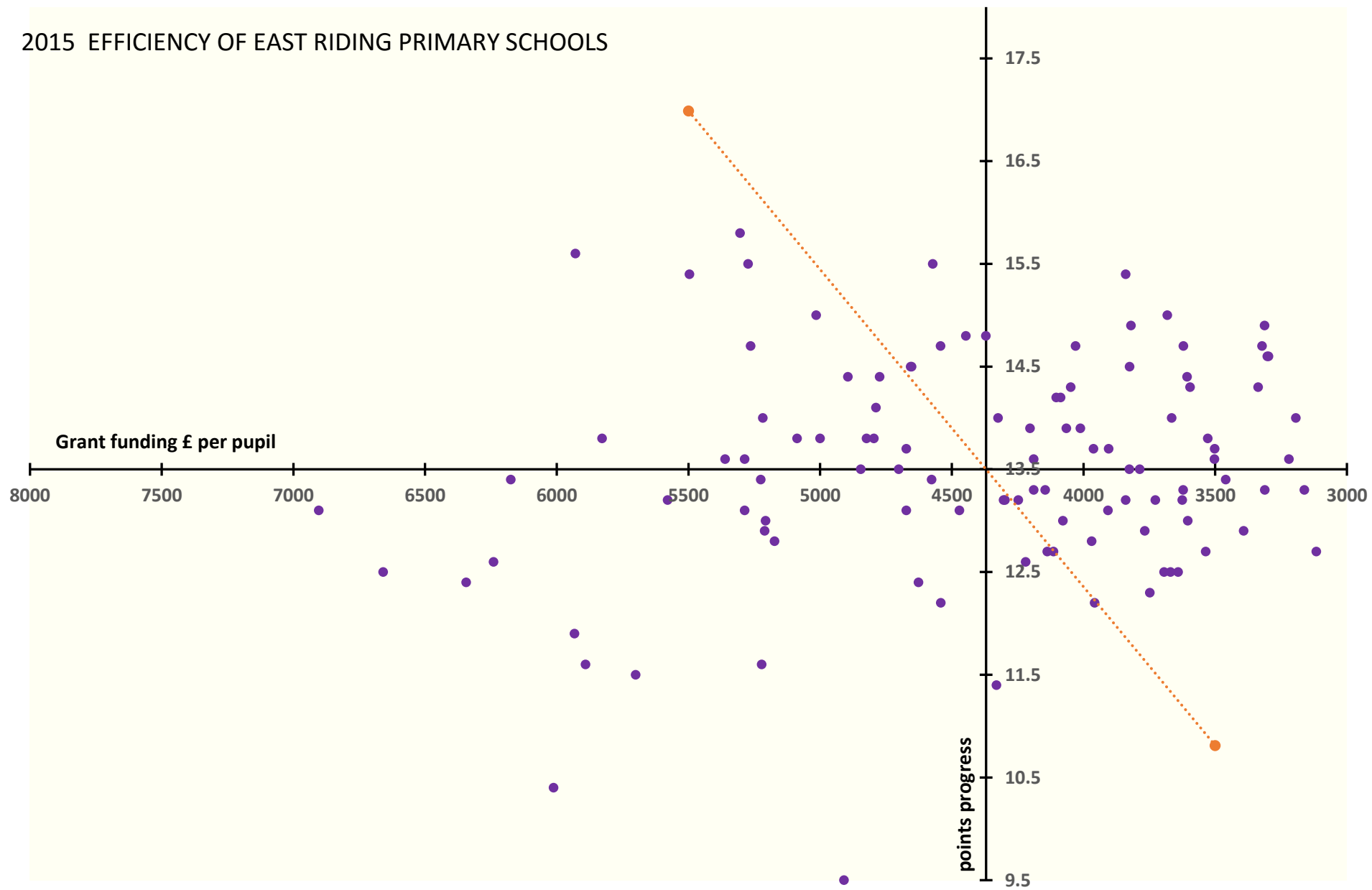
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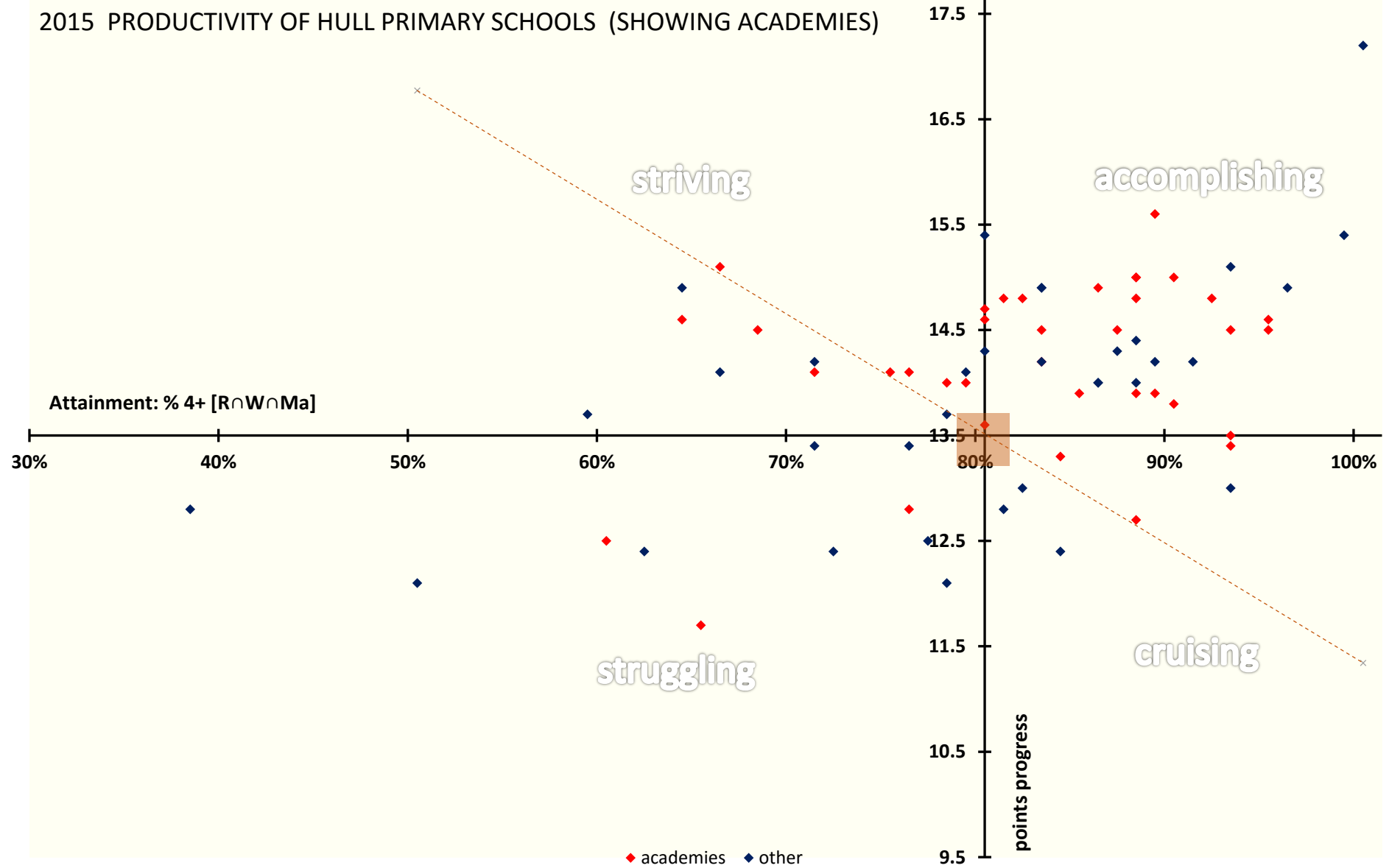
# 2015 PRODUCTIVITY OF EAST RIDING PRIMARY SCHOOLS (SHOWING ACADEMIES)



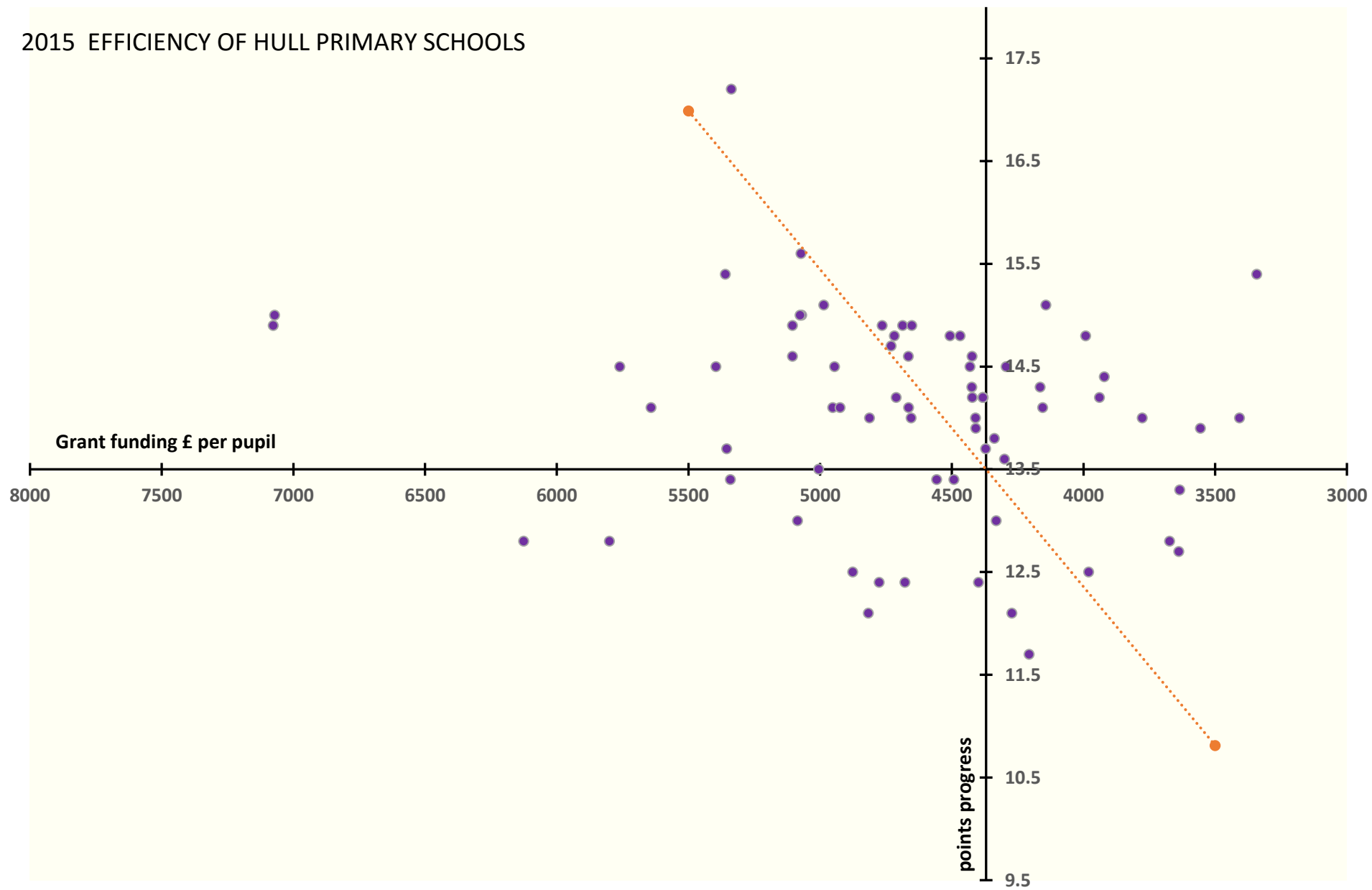
# 2015 EFFICIENCY OF EAST RIDING PRIMARY SCHOOLS



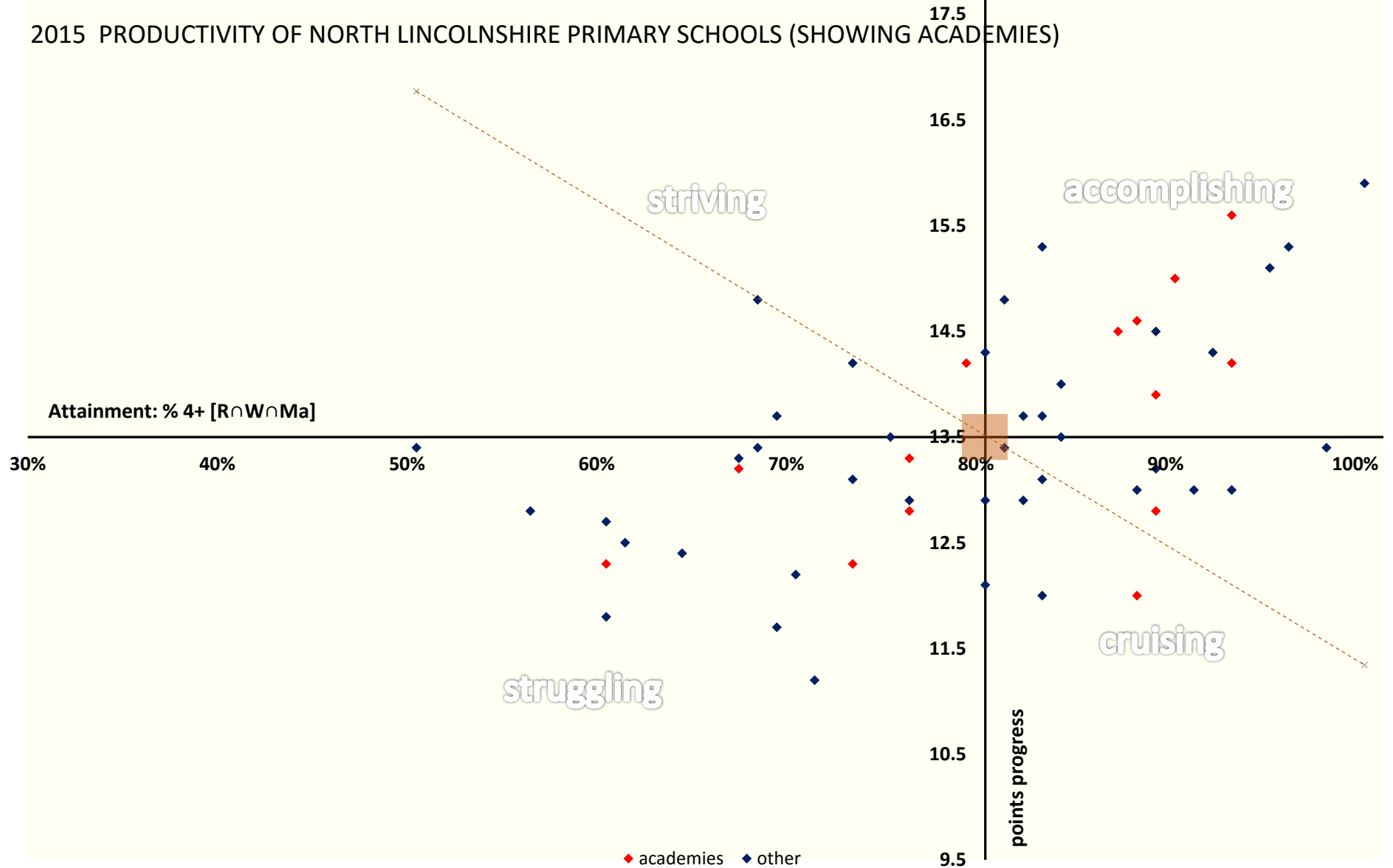
# 2015 PRODUCTIVITY OF HULL PRIMARY SCHOOLS (SHOWING ACADEMIES)



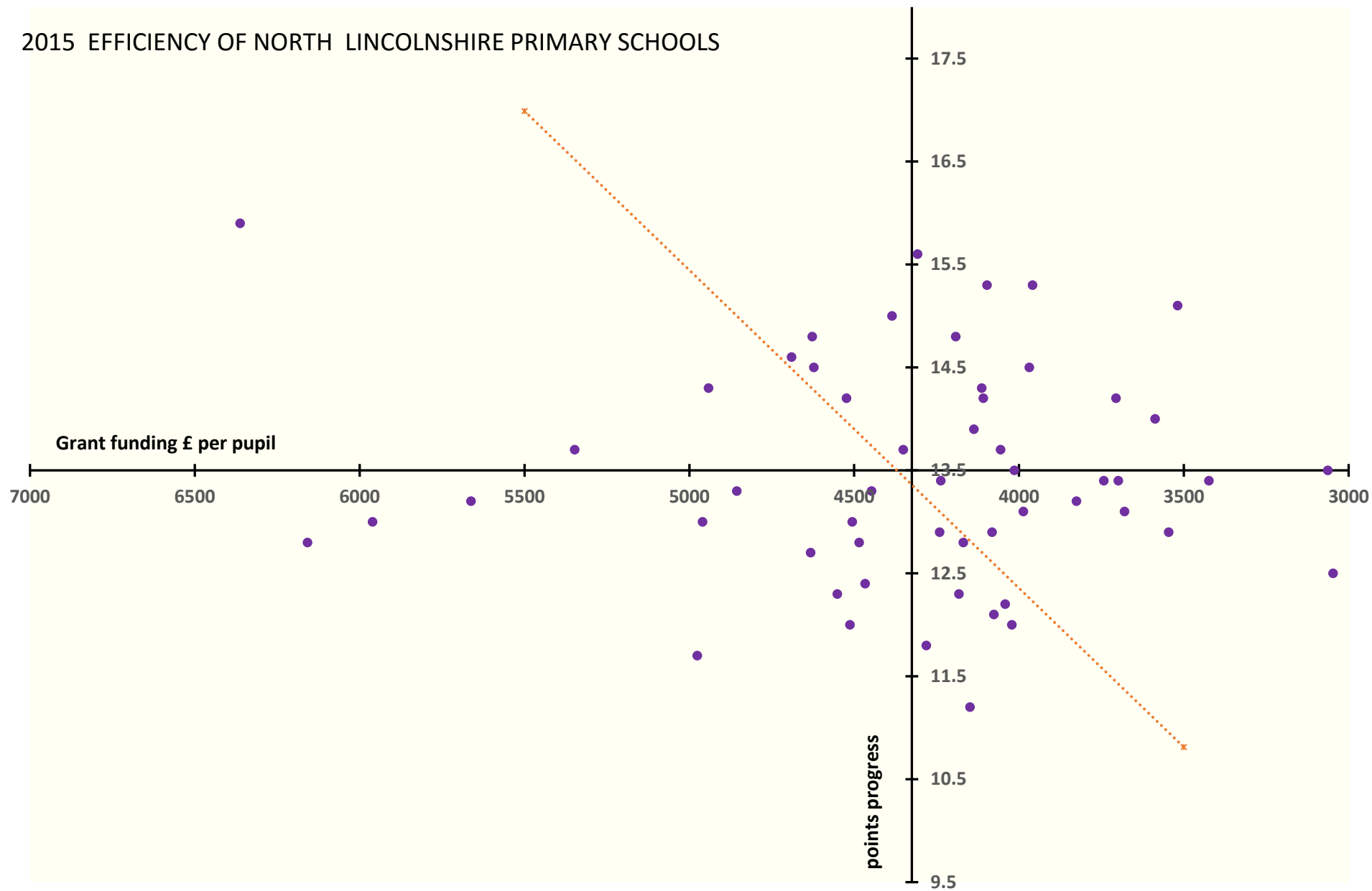
# 2015 EFFICIENCY OF HULL PRIMARY SCHOOLS



# 2015 PRODUCTIVITY OF NORTH LINCOLNSHIRE PRIMARY SCHOOLS (SHOWING ACADEMIES)

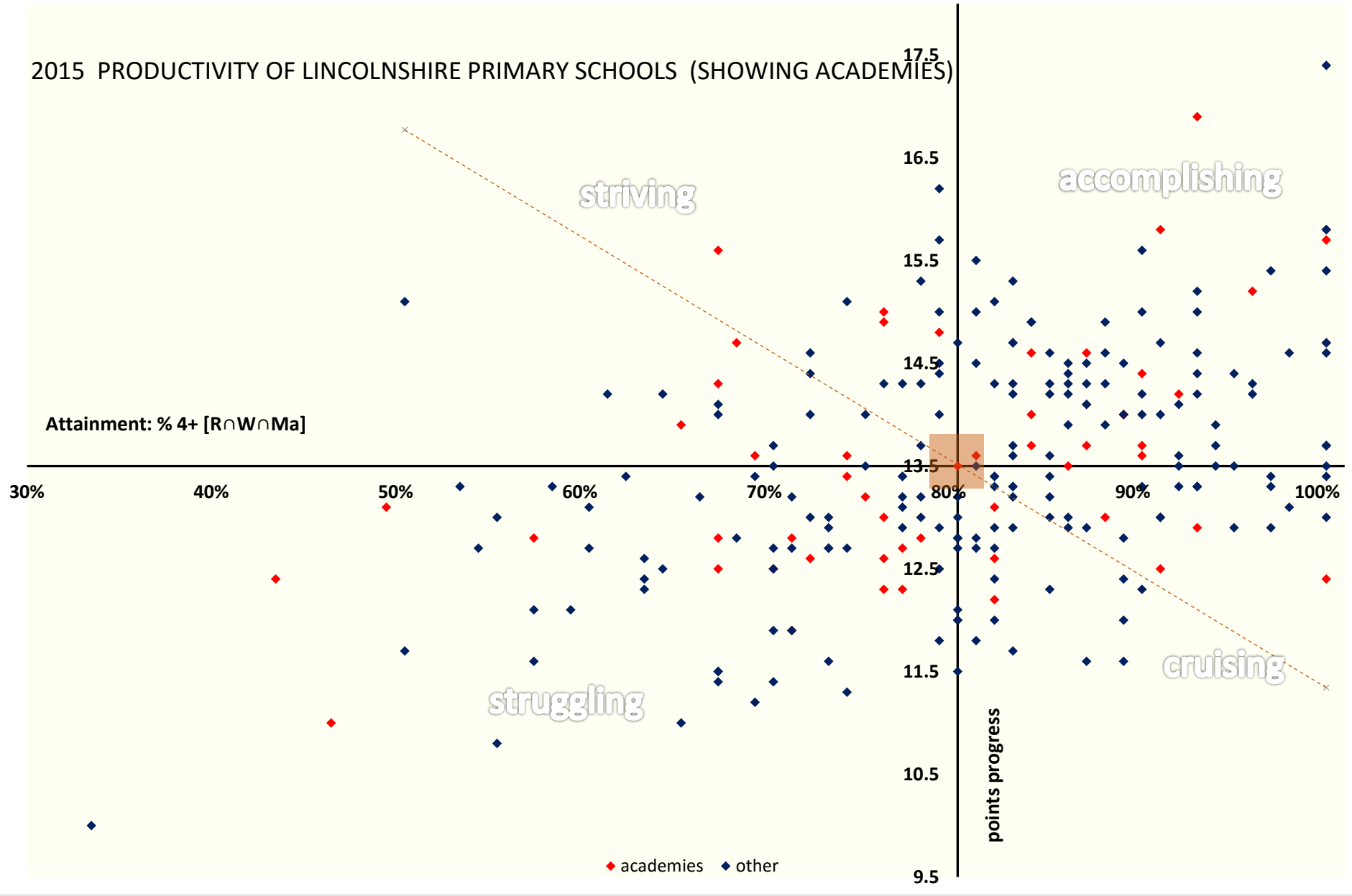


# 2015 EFFICIENCY OF NORTH LINCOLNSHIRE PRIMARY SCHOOLS

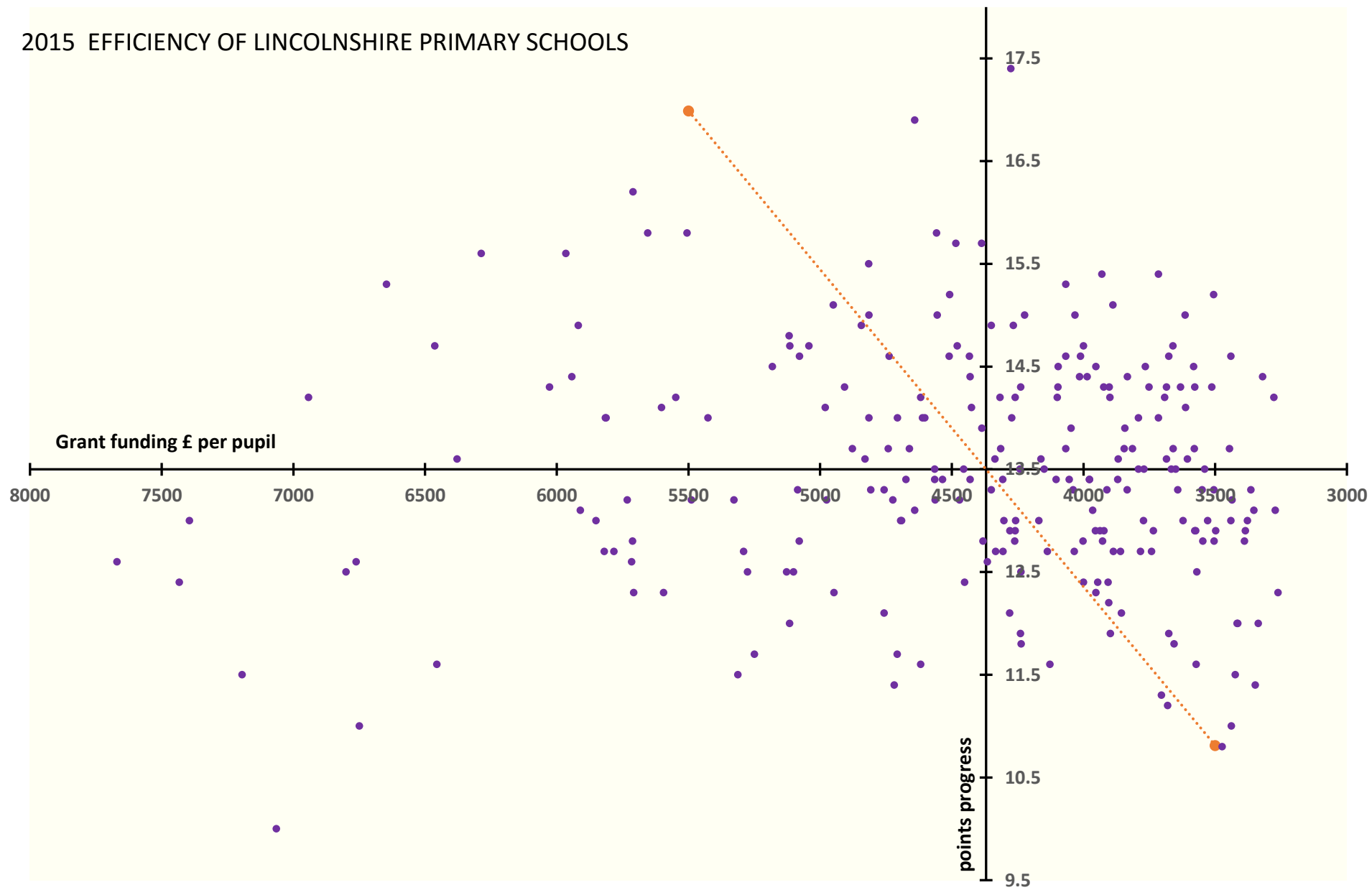




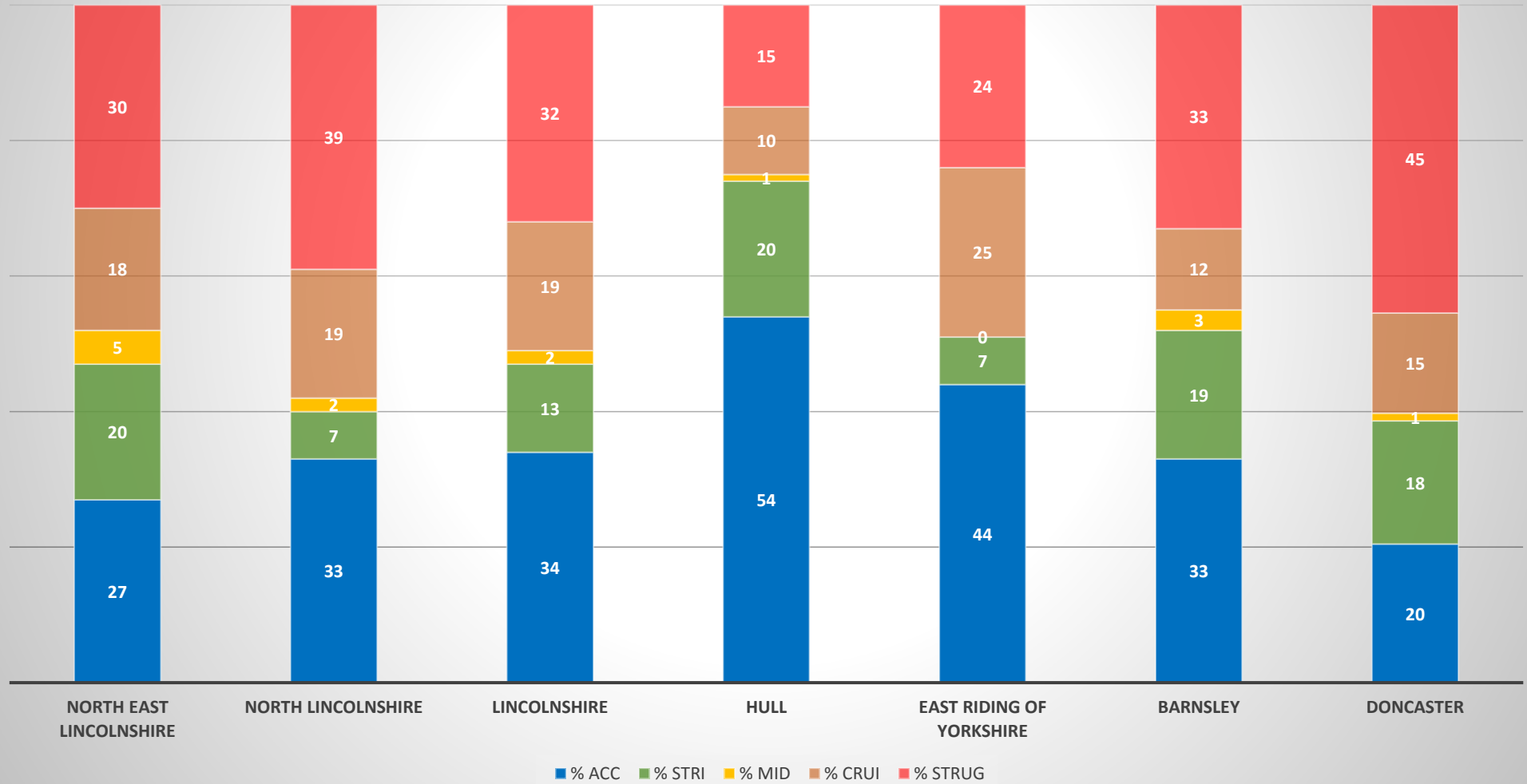
# 2015 PRODUCTIVITY OF LINCOLNSHIRE PRIMARY SCHOOLS (SHOWING ACADEMIES)



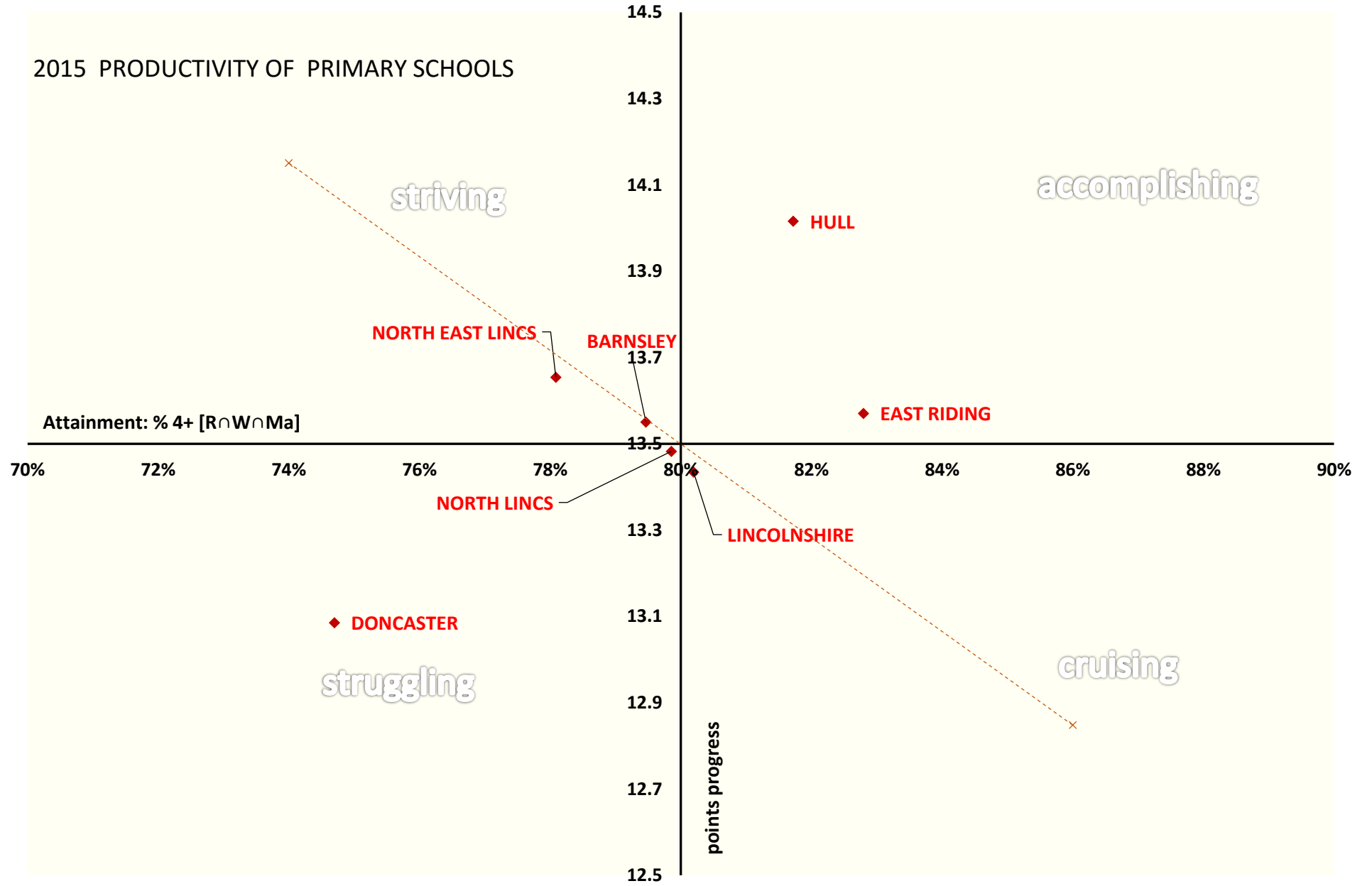
# 2015 EFFICIENCY OF LINCOLNSHIRE PRIMARY SCHOOLS



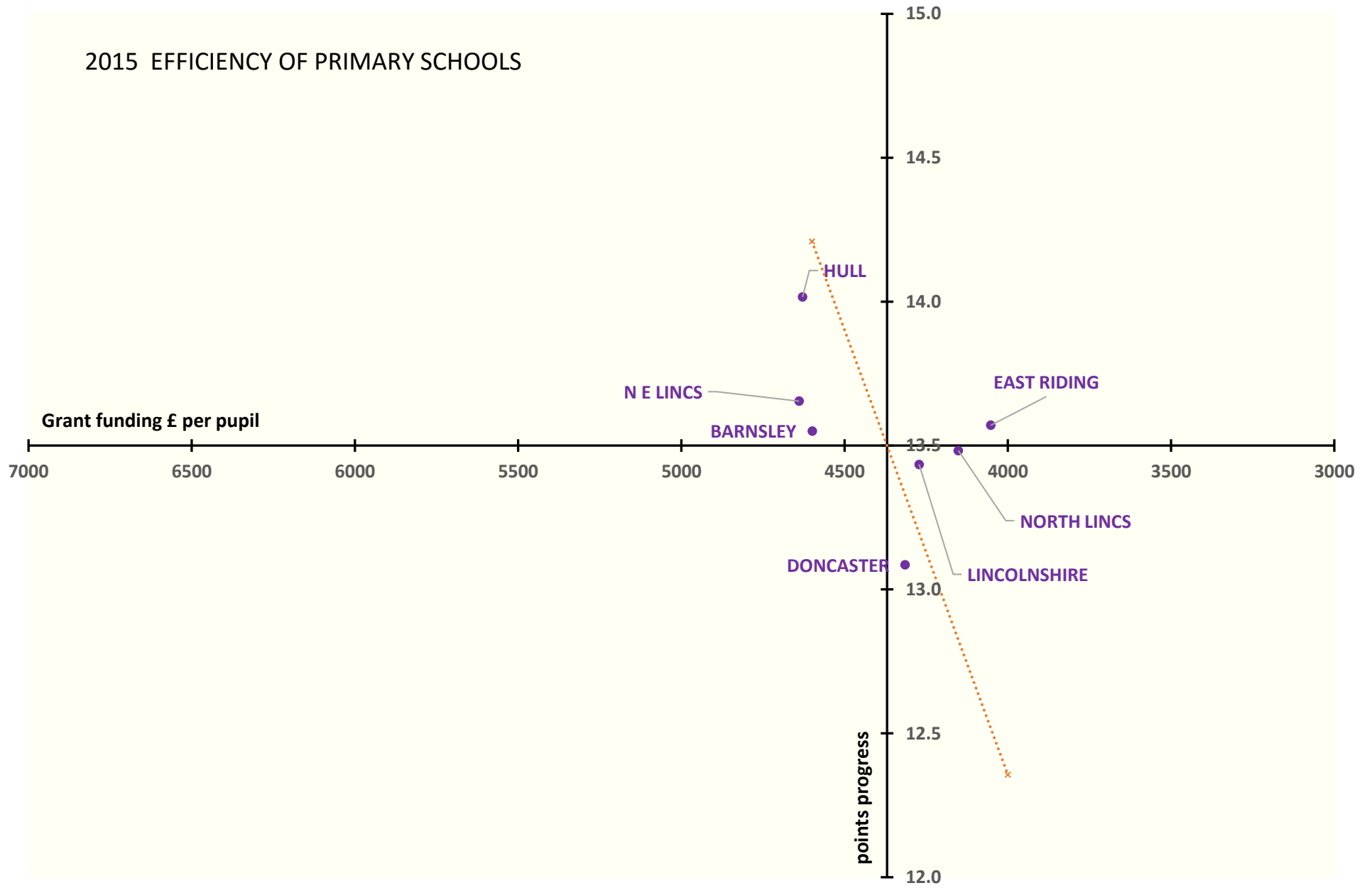
## PERCENTAGE IN EACH CATEGORY



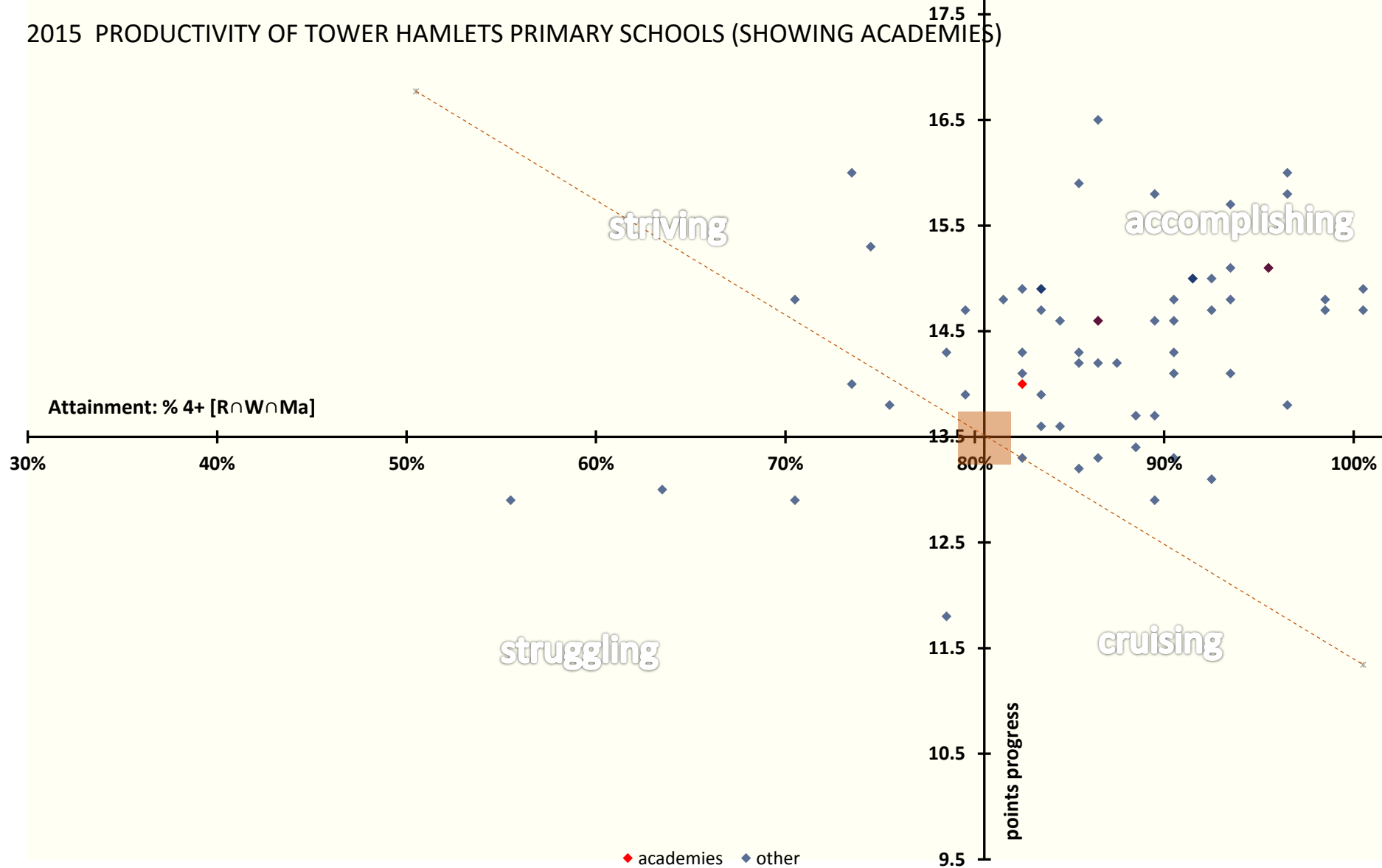
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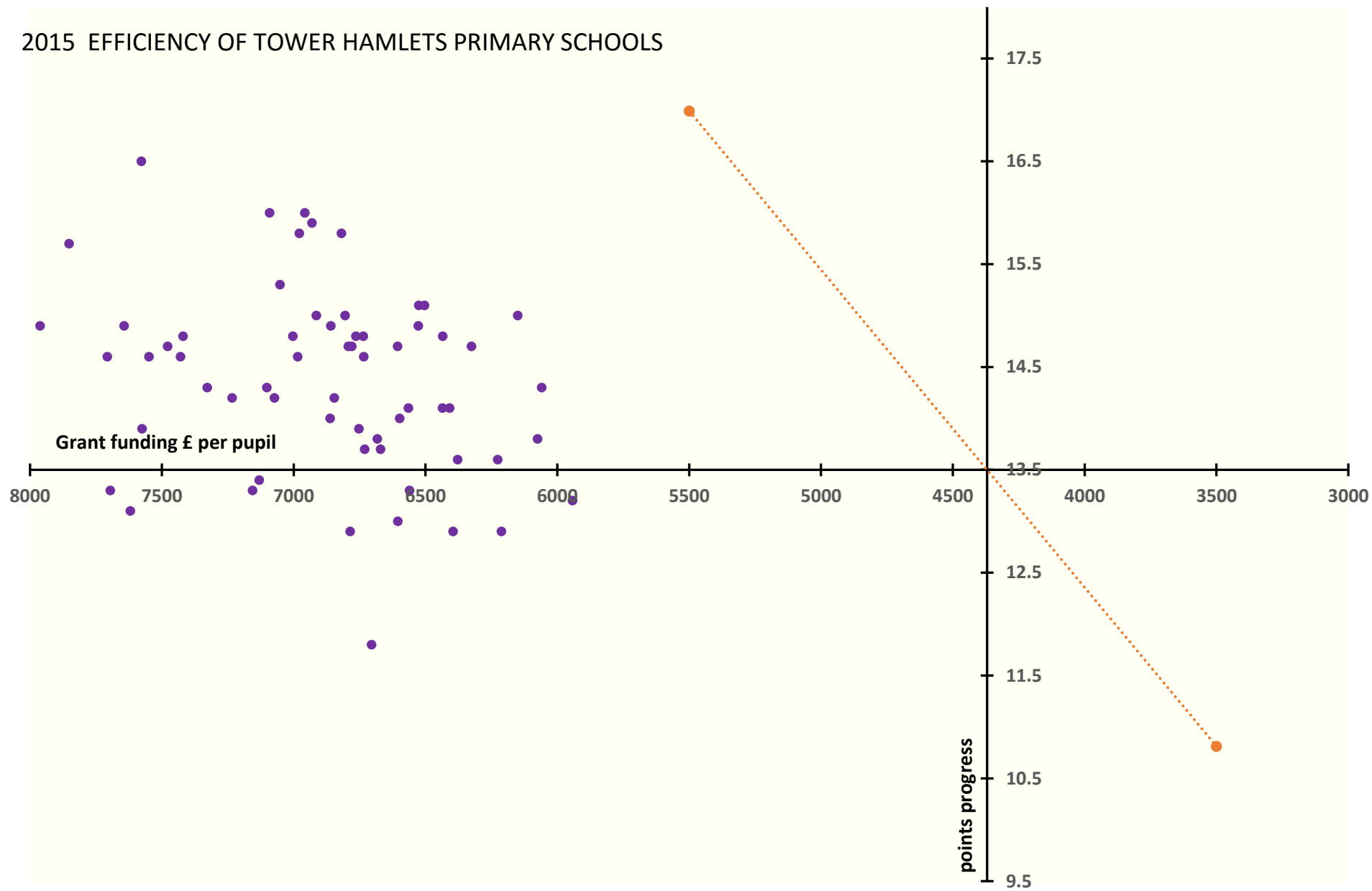
# 2015 EFFICIENCY OF PRIMARY SCHOOLS



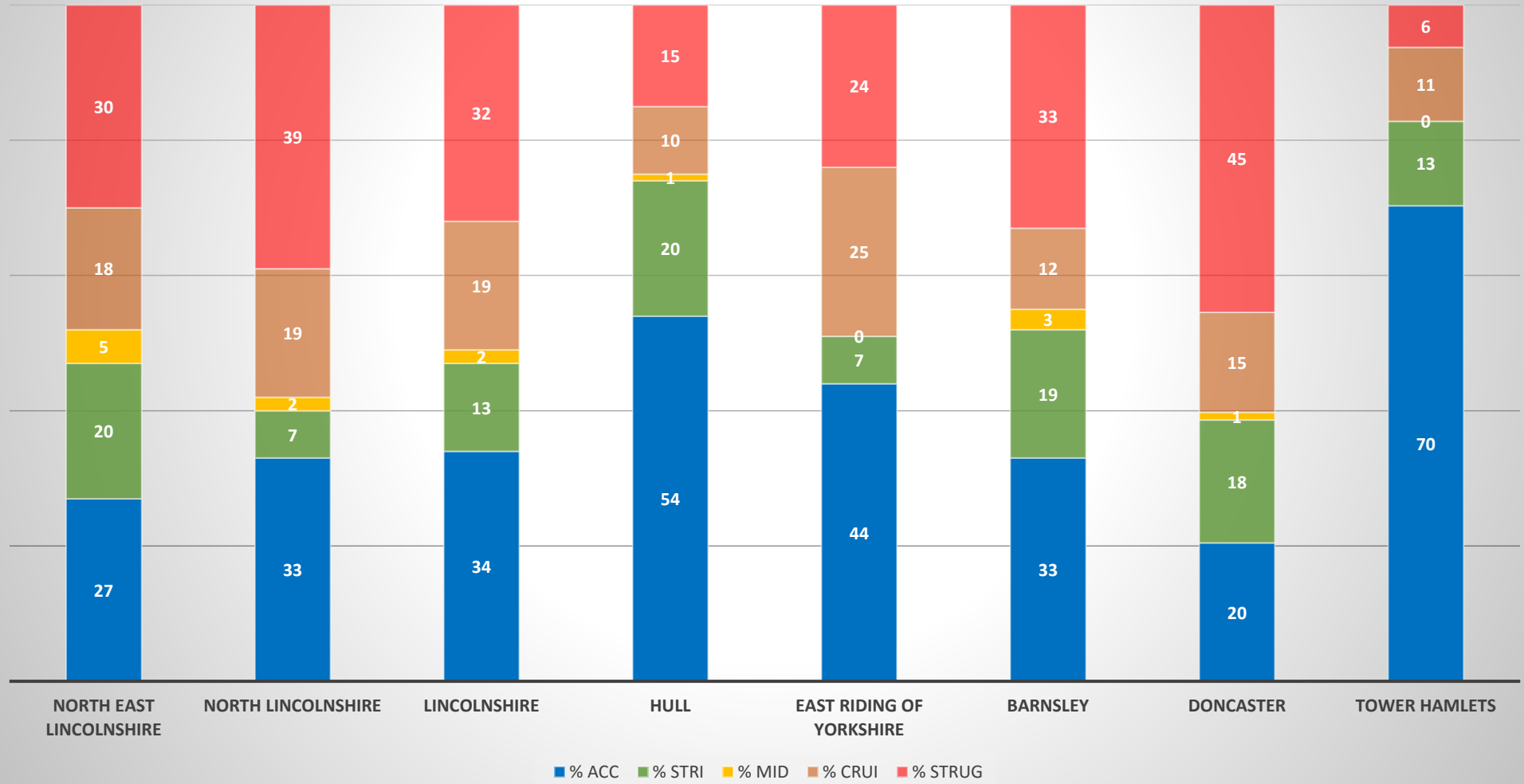
2015 PRODUCTIVITY OF TOWER HAMLETS PRIMARY SCHOOLS (SHOWING ACADEMIES)



# 2015 EFFICIENCY OF TOWER HAMLETS PRIMARY SCHOOLS

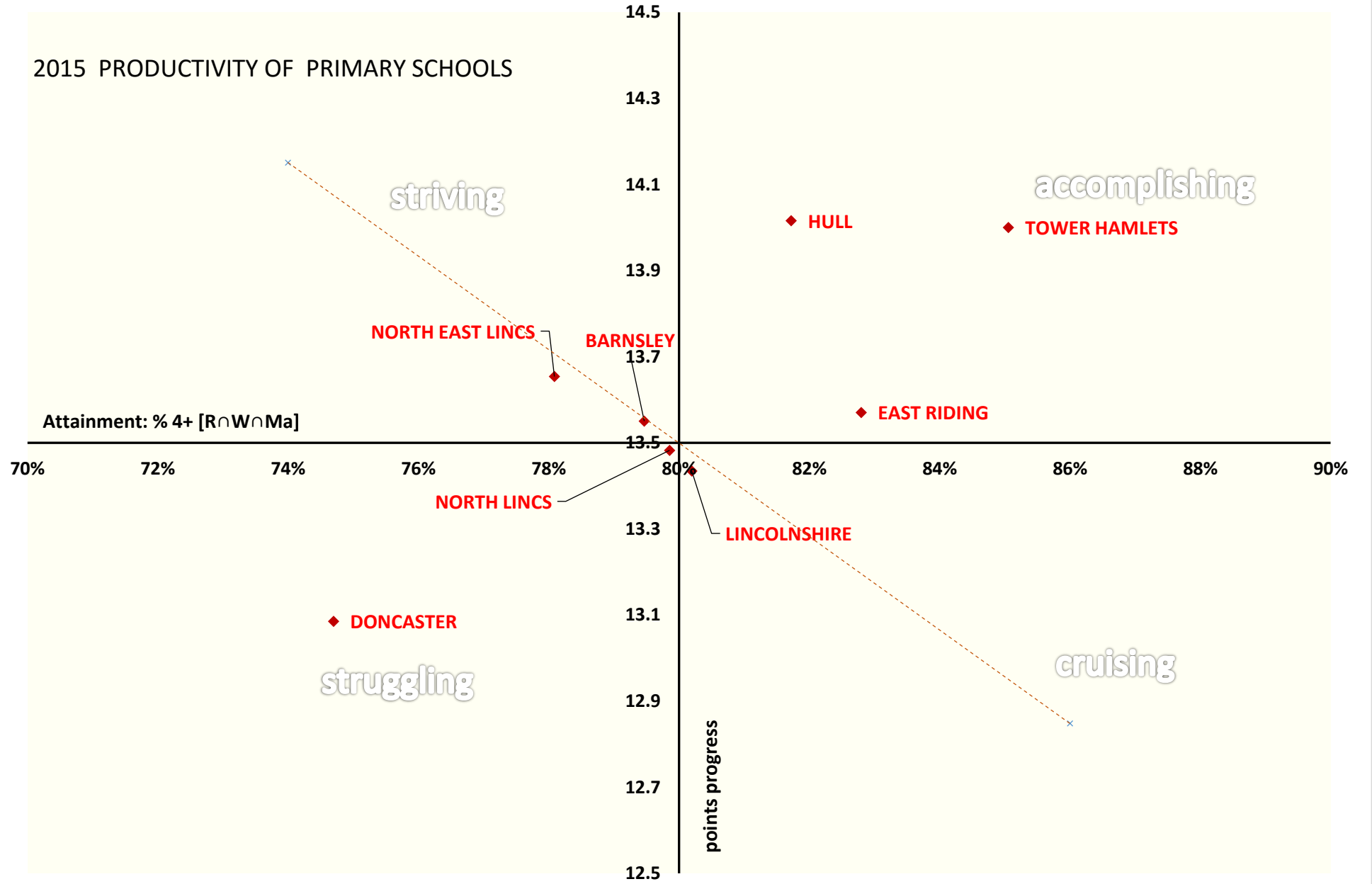


## PERCENTAGE IN EACH CATEGORY

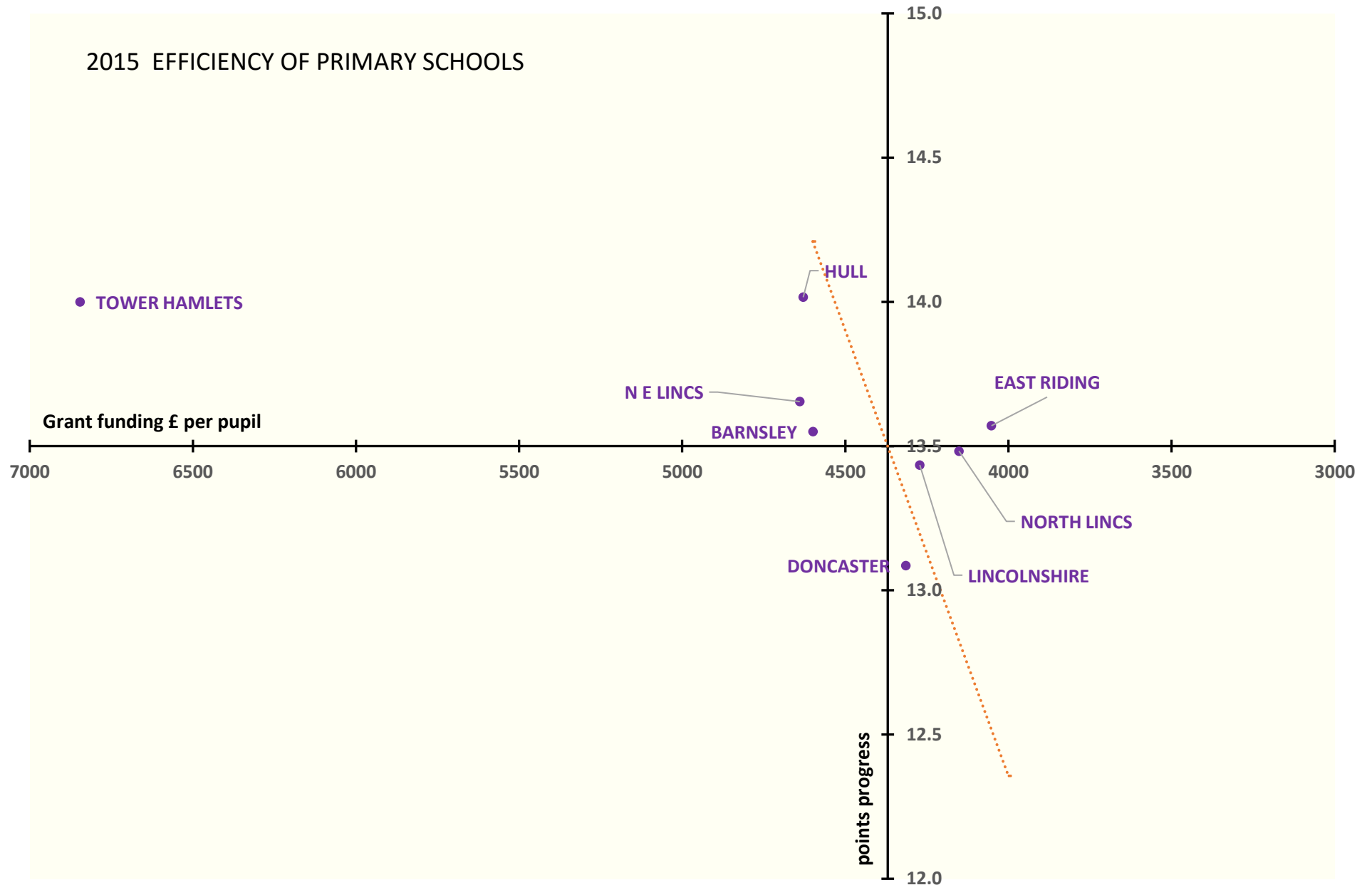




# 2015 PRODUCTIVITY OF PRIMARY SCHOOLS



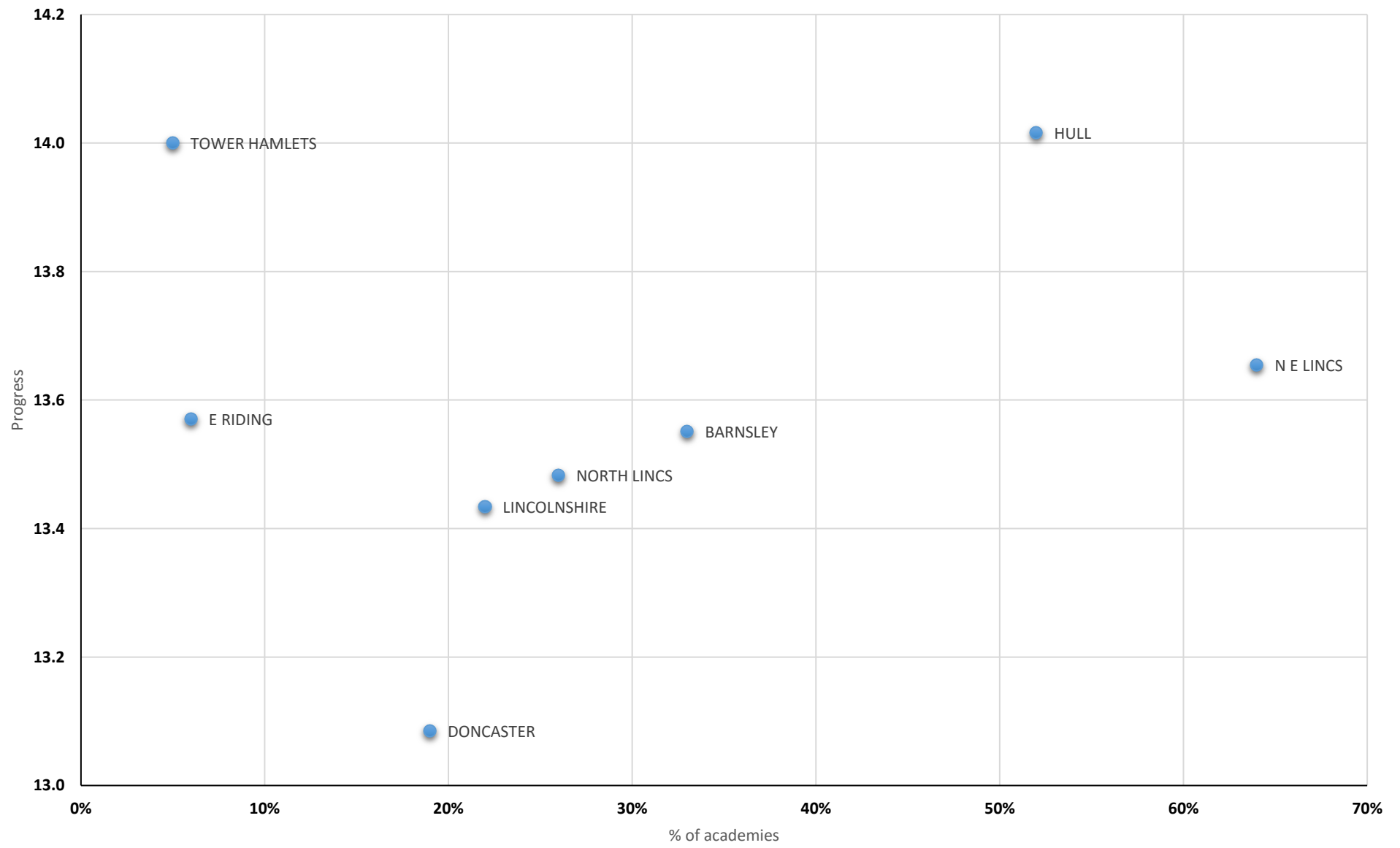
# 2015 EFFICIENCY OF PRIMARY SCHOOLS



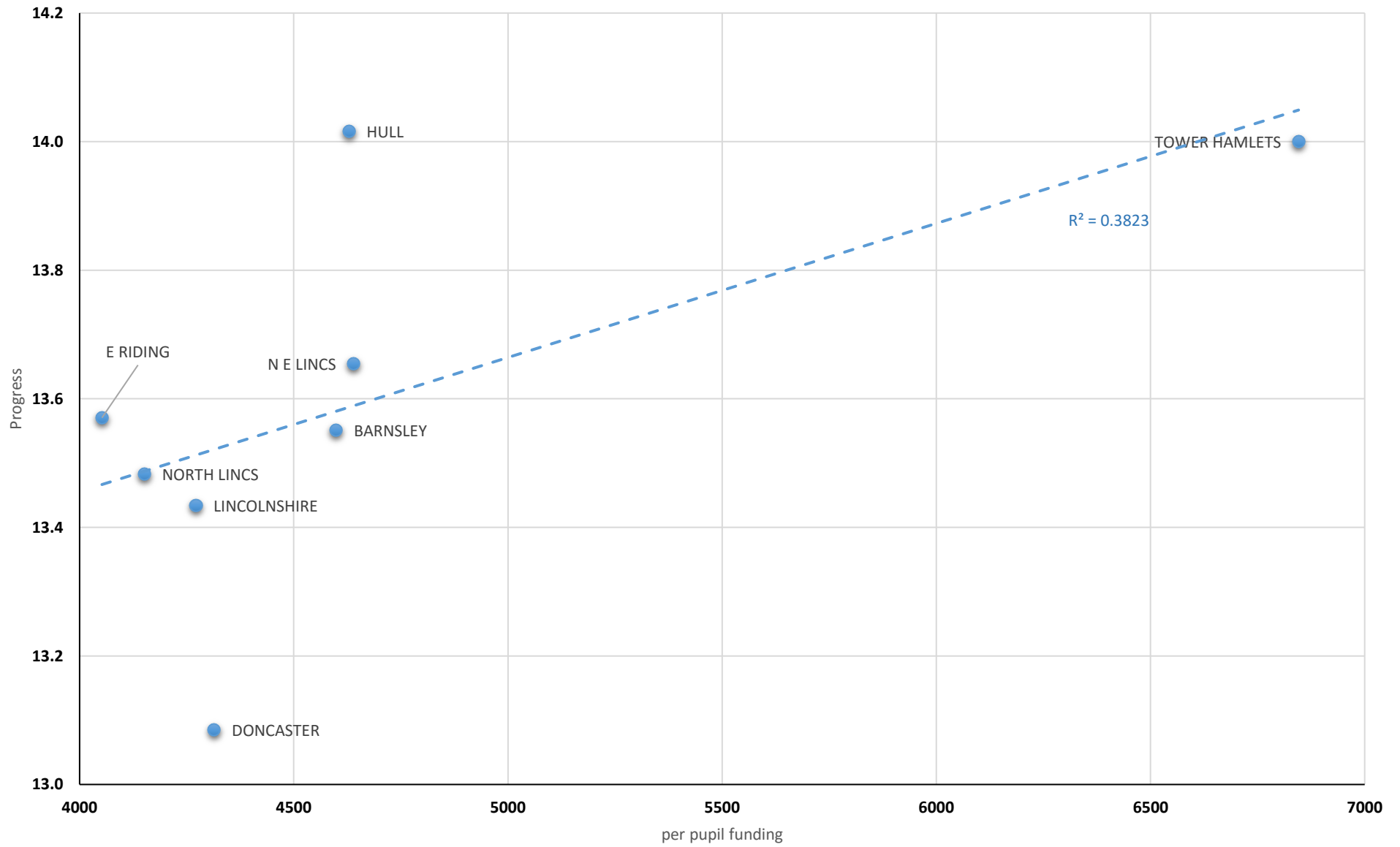
# LOCAL AUTHORITY PERFORMANCE PROFILE (MAINSTREAM PRIMARY SCHOOLS)

	ATT	PROG	% ACC	% STRI	% MID	% CRUI	% STRUG	%ACAD	FUND	VfM
<b>NORTH EAST LINCOLNSHIRE</b>	78%	13.7	27	20	5	18	30	64%	4640	2.943
<b>NORTH LINCOLNSHIRE</b>	80%	13.5	33	7	2	19	39	26%	4152	3.248
<b>LINCOLNSHIRE</b>	80%	13.4	34	13	2	19	32	22%	4272	3.145
<b>HULL</b>	82%	14.0	54	20	1	10	15	52%	4629	3.028
<b>EAST RIDING OF YORKSHIRE</b>	83%	13.6	44	7	0	25	24	6%	4052	3.349
<b>BARNSLEY</b>	79%	13.6	33	19	3	12	33	33%	4599	2.946
<b>DONCASTER</b>	75%	13.1	20	18	1	15	45	19%	4315	3.033
<b>TOWER HAMLETS</b>	85%	14.0	70	13	0	11	6	5%	6846	2.045
<b>NATIONAL (ALL STATE FUNDED)</b>	80%	13.5						14%	4370	3.089

Relationship between overall pupil progress and proportion of academies



Relationship between overall pupil progress and per pupil funding



AND,

IN CONCLUSION.....

## SOME INFERENCES

THE NORTHERN SAMPLE (OVERALL)	TOWER HAMLETS
Higher proportions of struggling schools	Lower proportion of struggling schools
Higher proportions of academies	Lower proportion of academies
Lower per-pupil funding	Higher per-pupil funding
Higher proportions of efficient schools (points progress per £k)	Lower proportions of efficient schools (points progress per £k)

- At local authority level there is no evident relationship between the proportion of academies and the overall average rate of pupil progress.
- At local authority level there may be a weak but positive relationship between average per pupil funding and the overall average rate of pupil progress.

## SOME THOUGHTS

Northern local authorities are consistently berated for lower performance levels than those in London.

Under the Northern Power House initiative, two tranches of funding of £5m each, (known as the Norther Fund) have been released to academy sponsors. The first tranche was allocated and the second was by bid. The intention is to increase the number of academies by developing hubs managed by existing sponsors.

Tower Hamlets was part of the **London Challenge**, which started with a focus on secondary schools. The **Wikipedia** extract below describes how it worked.

One of the distinctive features of London Challenge was a focus on partnership and shared purpose between schools. Independent, experienced education experts, known as London Challenge Advisers, were appointed to each of the 'Keys to Success' schools to provide tailored help. The advisers were supported by an administrative team in the Department for Education (DfE). They worked closely with experienced education professionals, appointed by the DfE, known as National Leaders of Education (NLE) or Local Leaders of Education (LLE), as well as local authority appointed School Improvement Partners (SIP) and other local authority officers to develop a bespoke intervention programmes. The cost of the support and the services brokered by the adviser came directly from the DfE. In some areas school improvement services were outsourced to consultants, though from 2007 specialist services to the 'Keys to Success' schools were supplied by a single education consultancy company under a Challenge Service Contract.

School to school peer support was also a feature of the London Challenge programme. Some particularly successful schools were awarded Teaching School status, giving them the remit and opportunity to support other schools in their local community. Another initiative was the annual "Families of Schools" report which grouped all of London's state schools into numbered families with other similar schools. This was aimed at middle and senior leaders in schools, allowing them to compare their performance with their peer schools and to share best practice on improvement initiatives, although there is no evidence that the resource was widely used for those purposes.

The London Challenge incorporated the 14-19 Pathfinders initiative which aimed to define and develop improved "learning pathways" for students in this age group.

For schools that needed support beyond the classroom, the Extended School concept was introduced, creating hubs for services to be offered directly to students and their families. The London Challenge also introduced the Teach First initiative to encourage highly academic graduates into the teaching profession.

In 2008 the Government announced an expansion of the London Challenge to include primary schools, and the programme was extended until 2011.

There is no mention in this strategy of developing academies.