THE BEHAVIOURAL INSIGHTS TEAM.

IN PARTNERSHIP WITH | Cabinet Office

Behavioural Insights, Tax, and TEST and Build

Michael Sanders and Miranda Jackman

Introducing the Behavioural Insights Team



Most policy concerns behaviour...

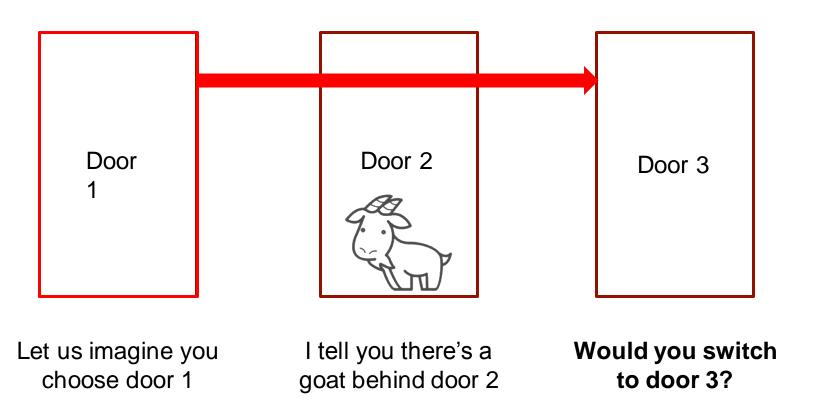








Behind one door is a car. Behind the other two doors are goats.

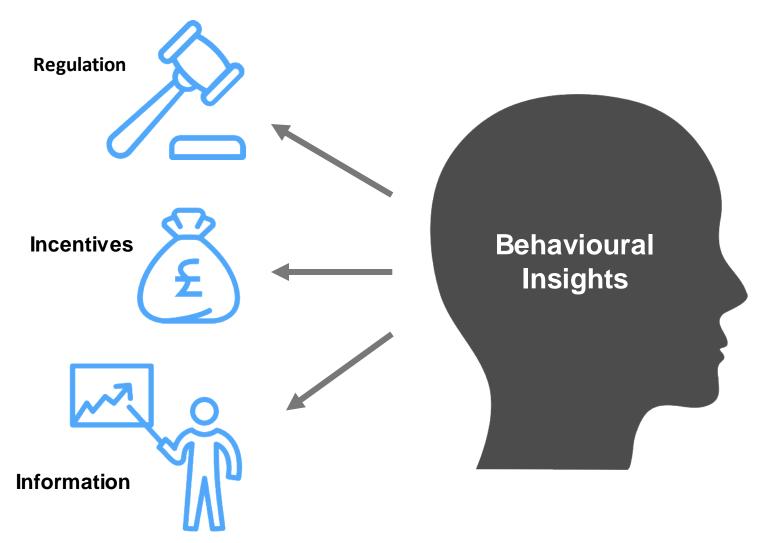




How many of you have ever been late to something you didn't want to be late to?



Traditional policy levers



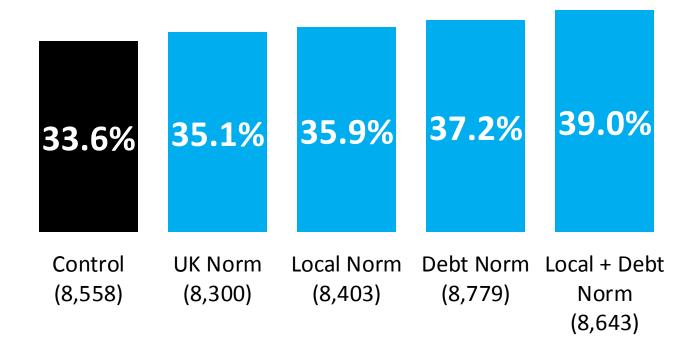
How can you encourage late taxpayers pay their tax?



030006:00000011:001 YVONNE STANYER ROOM 201 KELSALL HOUSE STAFFORD COURT STAFFORD PARK TELFORD TF3 3BD Debt Management & Banking Mr R Harding HMRC London South 2nd Floor Southern House Wellesley Grove Croydon Surrey CR9 1WW Dear Sir/Madam Nine out of ten people pay their tax on time. Please pay £999999999999999 Our records show that your Self Assessment tax payment is overdue. Nine out of ten people pay their tax on time. It is easy to pay. Please call the phone number above to pay by debit card, credit card, or Direct Debit. You can also pay using internet and telephone banking. For more information on when and how to pay, go to www.hmrc.gov.uk/payinghmrc If you don't believe that this payment is overdue, please contact us on the number above. If you have already paid, thank you. If not, please act now. Yours faithfully Officer of Revenue and Customs

HMRC 10/10

IDMS99P



With HMRC, our tax trials brought forward £200million months.



THE BEHAVIOURAL INSIGHTS TEAM.

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Applying Behavioural Insights to increase Council Tax collection in Medway

Council Tax first reminder letters



Insure Date
13-PEB-2015

Medway Council, Gain Whart.
Dock Road, Chatfham, Kent ME4 4TR
Email class@medway.gov.sik

Re:

Account No:

COUNCIL TAX REMINDER NOTICE

Please do not ignore this notice as it is a legal document.

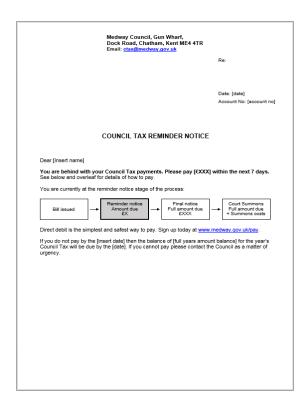
Your latest instalment payment is overtice by affected as it is a legal document.

Your latest instalment payment is overtice by affected to days and you are currently in areas by the sum of 6.500.

The above areas glus any amount that falls overtice within the next 7 days from the date of this notice means that you need to pay 6.00 which the next 19 days. Dutkin on him to pay are shown overfact.

Why not avoid receiving these letters being sent in future by paying by direct debt form at were medivary gov oxidity by simply completing the colinic direct debt form at work medivary provides by simply completing the colinic direct debt form at work medivary provides the first of upon of the pay for the payment of the pay for the payment of the payment because it means that you would also then have to pay the balance of the payment on the payment of the pa

Medway Council, Gun Wharf, Dock Road, Chatham, Kent ME4 4TR Email: ctas@medway.gov.uk Account No: (account no) COUNCIL TAX REMINDER NOTICE Dear tinsert name) You are behind with your Council Tax payments. Please pay (CXXX) within the next 7 days. See below and overleaf for details of how to pay. 96% of Medway Council Tax is paid promptly. You are currently in the very small minority of people who have not paid on time. Direct debit is the simplest and safest way to pay. Sign up today at www.medway.gov.uk/bay If you do not pay by the [insert date] then the balance of [full years amount balance] for the year's Council Tax will be due by the (date). If you cannot pay please contact the Council as a matter of



Standard reminder letter Social norm letter Diagram letter

Social norm letter

COUNCIL TAX REMINDER NOTICE

Please do not ignore this notice as it is a legal document

Your latest instalment payment is overdue by at least 10 days and you are currently in arrears by the sum of £ XXX.

The above arrears plus any amount that falls due within the next 7 days from the date of this notice means that you need to pay £ XXX within the next 10 days. Details on how to pay are shown overleaf.

Why not avoid receiving these letters being sent in future by paying by direct debit? Join over 65,000 Medway residents by simply completing the online direct debit form at www.medway.gov.uk/pay

If you cannot pay the full sum shown above in **bold** or have any queries about this letter, please contact the Council as a matter of urgency.

If you do not pay the amount within 10 days or contact the Council to make an agreed arrangement, then your instalment arrangement will be cancelled. This is extremely important because it means that you would have to pay the balance of the year's council tax in full. This currently stands at £ 50.00. You would also then have to pay this amount within a further 7 days and if you failed to do this we could start court proceedings which may incur additional costs.

For information – if you have other council tax debts for this account they are not included in this notice but for clarification are:

- Subject to Court Proceedings = £
 Outstanding from Other Years = £
- Odistanding norm Other Tears -

COUNCIL TAX REMINDER NOTICE

Dear [Insert name]

You are behind with your Council Tax payments. Please pay [£XXX] within the next 7 days.

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Standard reminder letter

Social norm letter

Diagram letter

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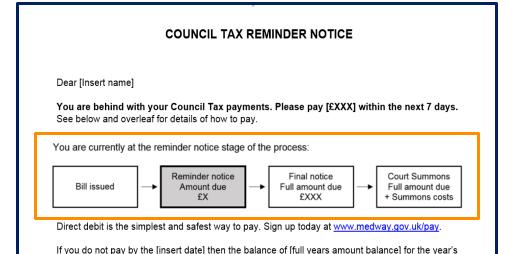
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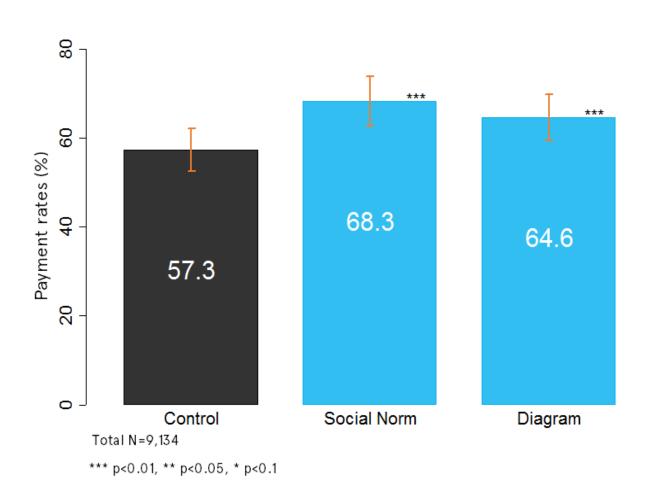
Standard reminder letter

Diagram letter

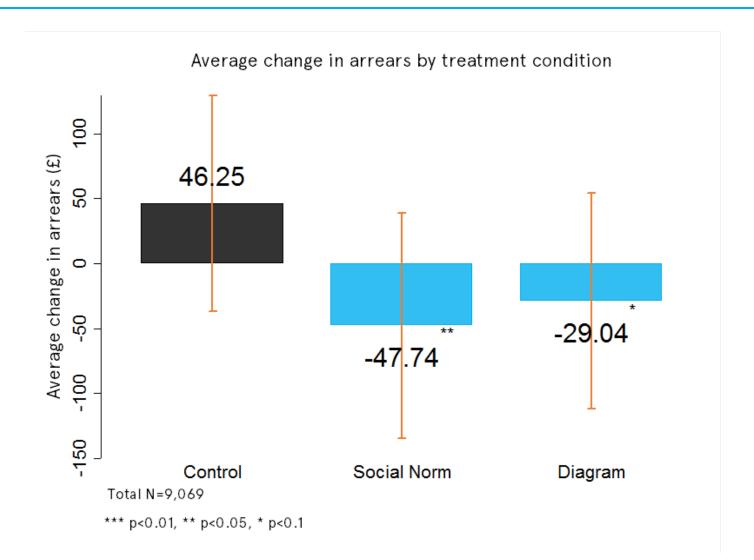
Council Tax will be due by the [date]. If you cannot pay please contact the Council as a matter of

urgency.

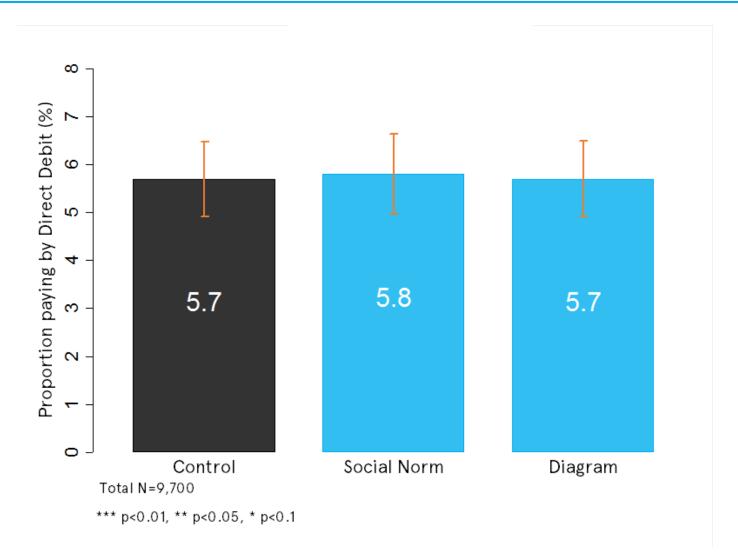
Payment rates of Council Tax



Average change in arrears



Payment by Direct Debit



Recommendation – social norm letter

Medway Council, Gun Wharf, Dock Road, Chatham, Kent ME4 4TR Email: ctax@medway.gov.uk

Re:

Date: [date] Account No: [account no]

COUNCIL TAX REMINDER NOTICE

Dear [Insert name]

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Direct debit is the simplest and safest way to pay. Sign up today at www.medway.gov.uk/pay

If you do not pay by the [insert date] then the balance of [full years amount balance] for the year's Council Tax will be due by the [date]. If you cannot pay please contact the Council as a matter of urgency. Increase in payment rates of 11.0 percentage points

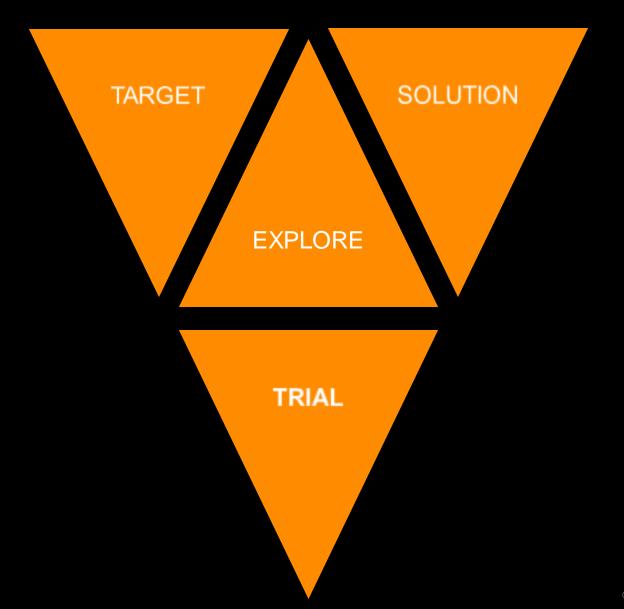
Reduced household's average debt

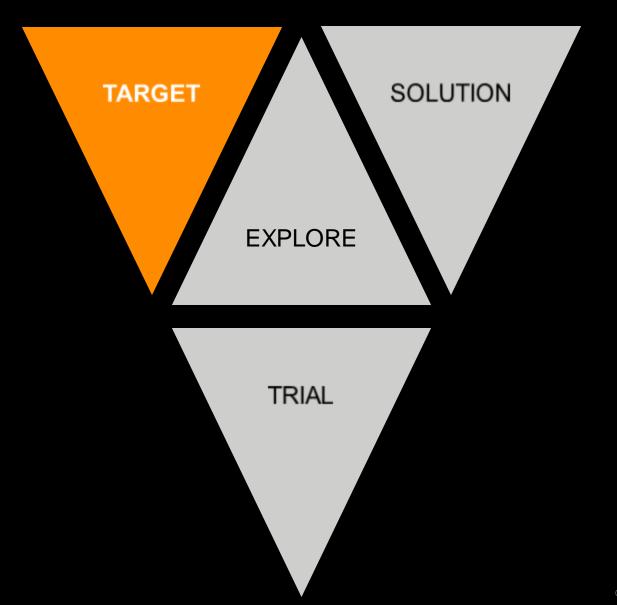
 An extra £2,774,320 would be brought forward per year if all first reminder letters were replaced

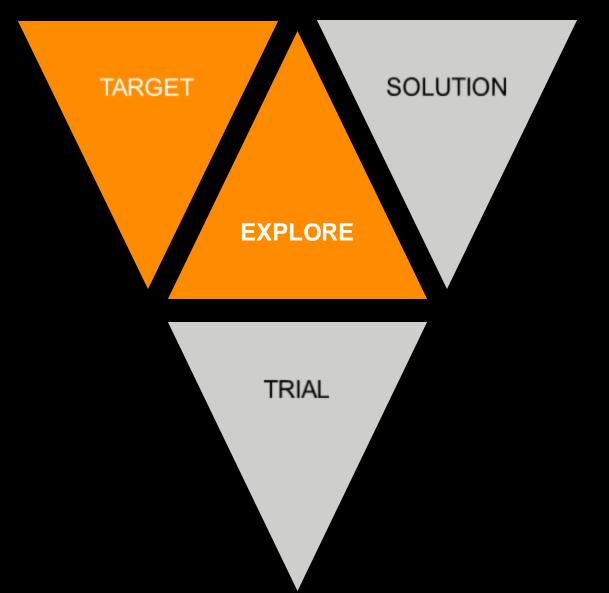
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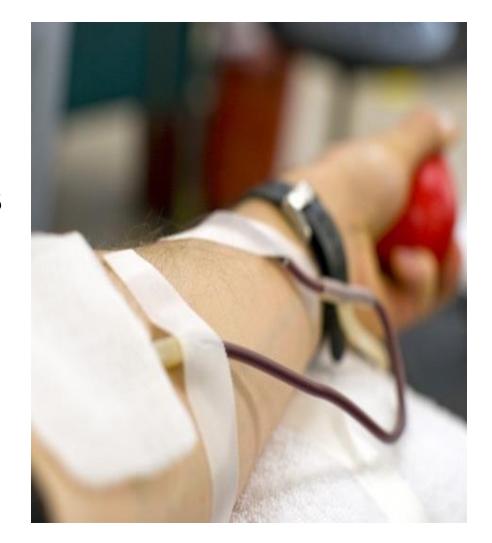
Methodology - TEST







Lessons from the field 1) Personally experience as much as you can

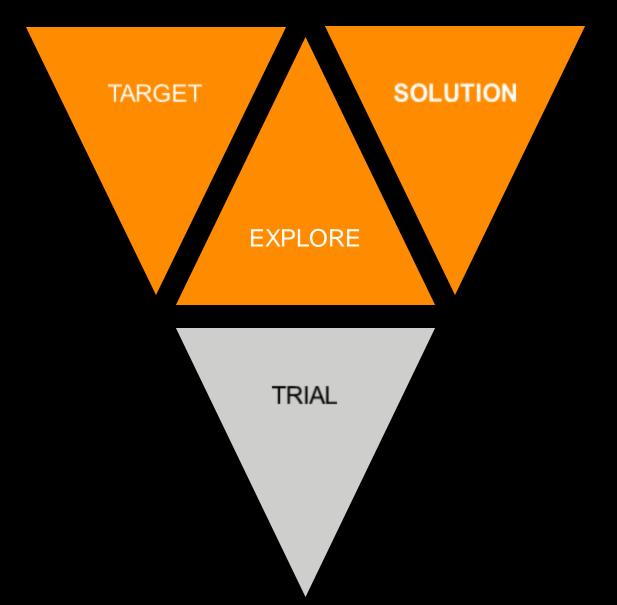


Lessons from the field 2) Draw on fieldwork

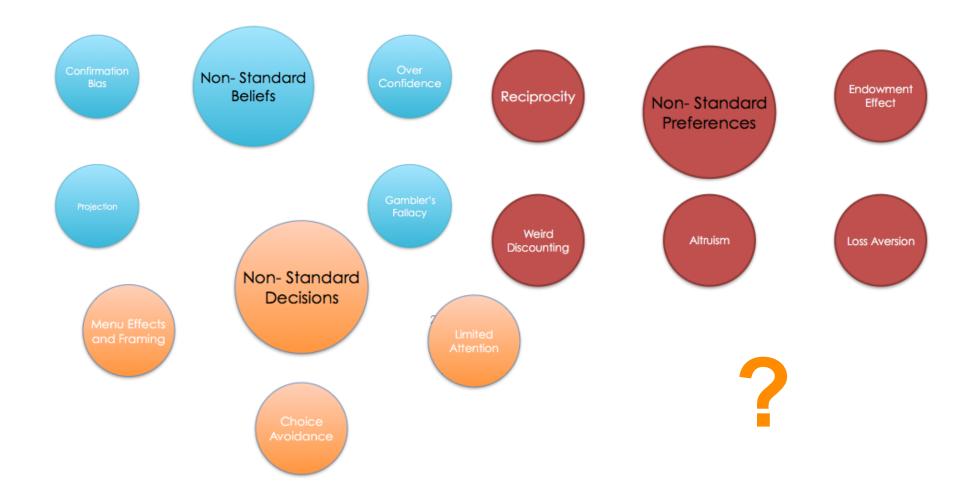


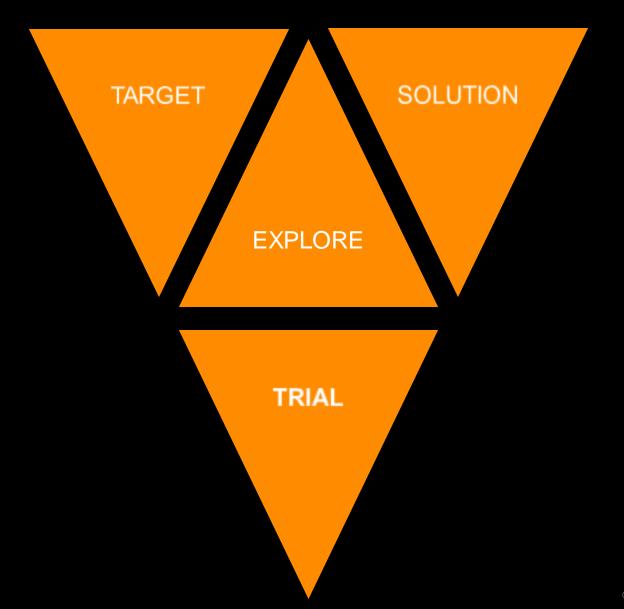
Lessons from the field 3) Use your data

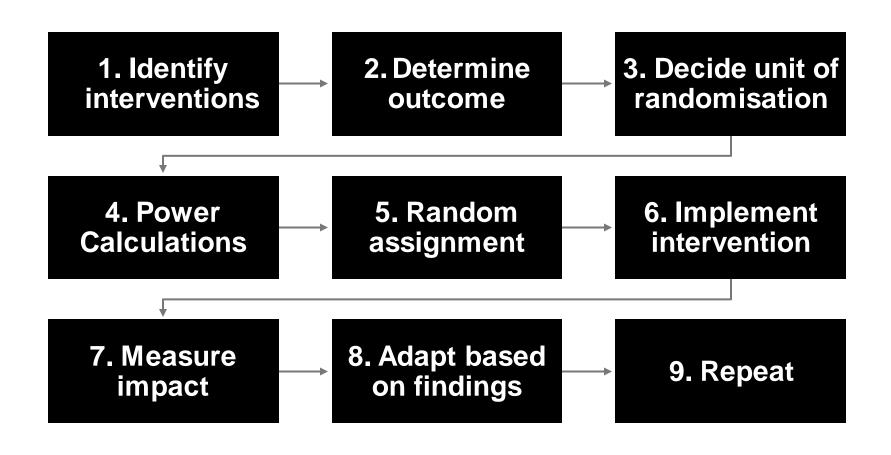
```
***********
       //Primary Analysis//
//Changing Directory for the log file to exported//
cd "/Users/davidnolan/Google Drive/LEGACY GIVING/DATA & STATA/Cleaned Data
//Interactions between treatment and other regressors//
capture log close _all
set linesize 90
log using "Primary Outcome Analysis.log", replace
/*----*/
eststo elsebasic: reg give_or_no elsetreat if trial==1, robust
eststo elsecontrol: reg give_or_no elsetreat 'covariates_1' if trial==1, robust
    g else_nochil = cond(children==0 & elsetreat==1, 1, 0)
    g else_chil = cond(children==1 & elsetreat==1, 1, 0)
   g else_free = cond(binary_payment==1 & elsetreat==1, 1,0)
g else_paid = cond(binary_payment==0 & elsetreat==1, 1,0)
   g else_first = cond(first_will==1 & elsetreat==1, 1, 0)
g else_notfirst = cond(first_will==0 & elsetreat==1, 1, 0)
qui log on
eststo elsechildren: reg give_or_no else_chil else_nochil 'covariates_1' if trial==1, robust
test else_nochil=else_chil
eststo elsefree: reg give_or_no else_free else_paid 'covariates_1' if trial==1, robust
test else_free=else_paid
eststo elsefirst: reg give_or_no else_first else_notfirst 'covariates_1' if trial==1, robust
test else_first = else_notfirst
qui esttab _all using "Tables/else.rtf", ///
                replace ///
                star(+ 0.10 * 0.05 ** 0.01 *** 0.001) ///
                cells(b(star fmt(%9.3f)) se(par)) ///
                ar2 ///
                nodep ///
                nobase ///
                nomti ///
                title("Else") ///
```



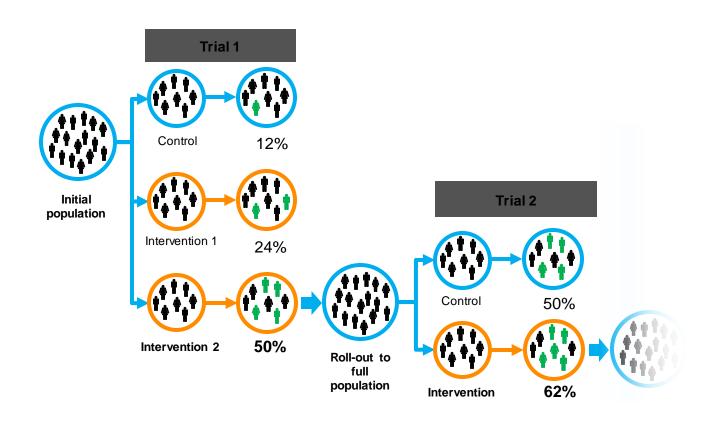
THE BEHAVIOURAL INSIGHTS TEAM.



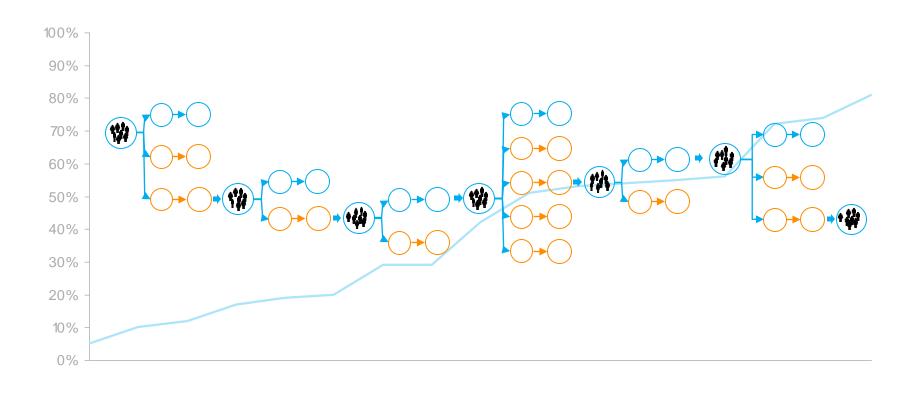




Test Learn Adapt: 'Winner Stays On'



Test Learn Adapt: 'Winner Stays On'

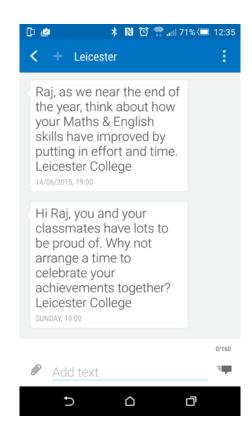


Control Group Attendance (Interim)

Figure 2: Baseline Attendance by Week 20 % Attendance 65 10 2 4 6 8 Week

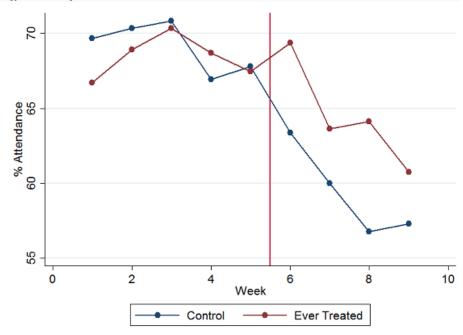
Underpinnings

- This is important...
- I can succeed...
- Practice matters...
- I belong...
- Advanced planning also helps

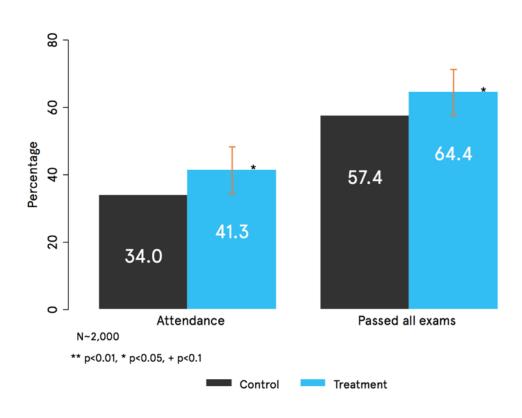


Interim results...

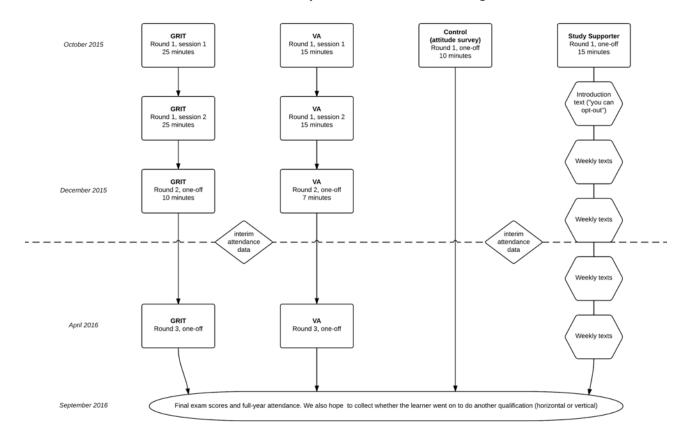
Figure 3: Impact of Intervention on Attendance



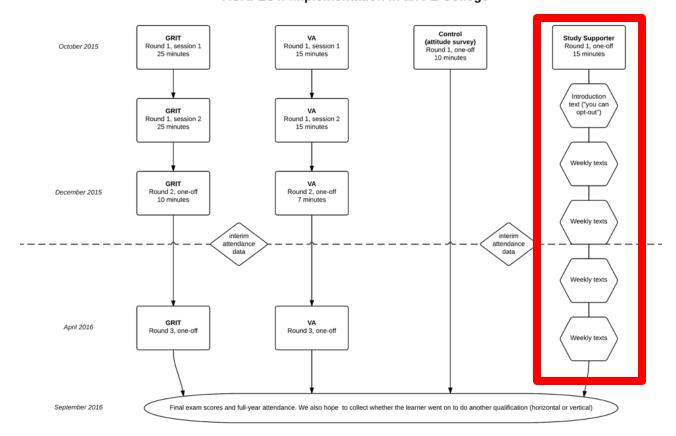
...and full results



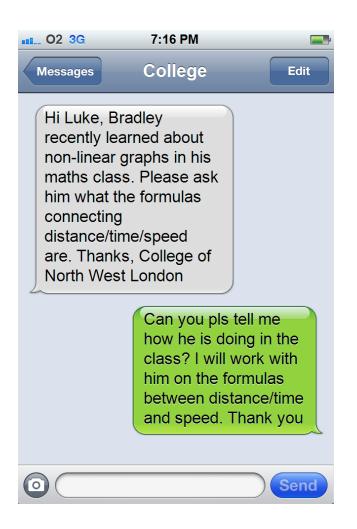
ASKFEST: implementation in an FE College

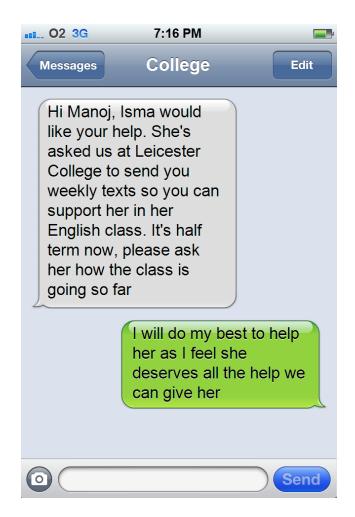


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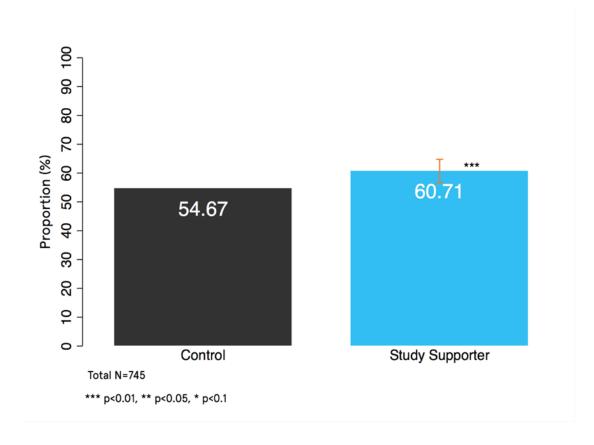


Study Supporter: leveraging the learner's social network

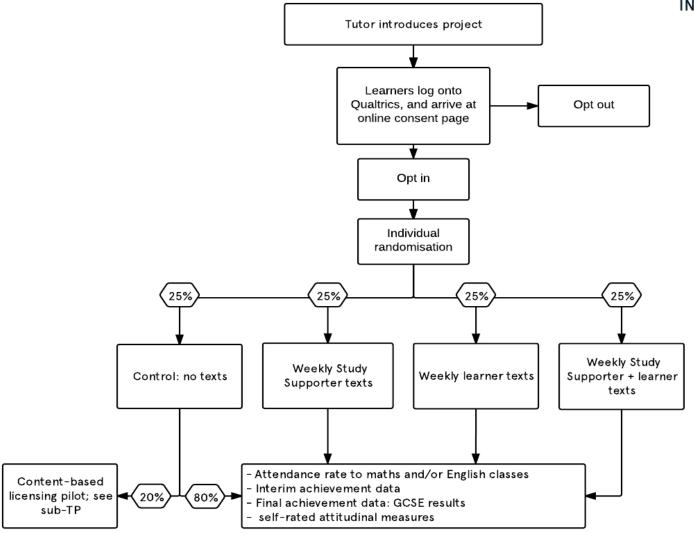




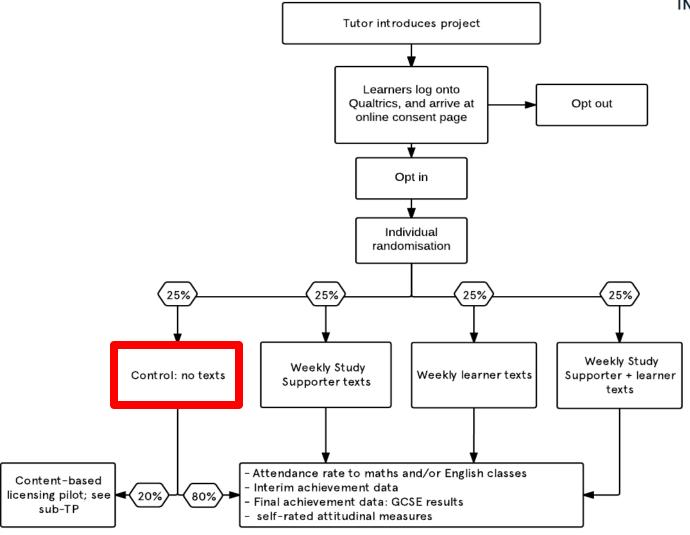
Study Supporter



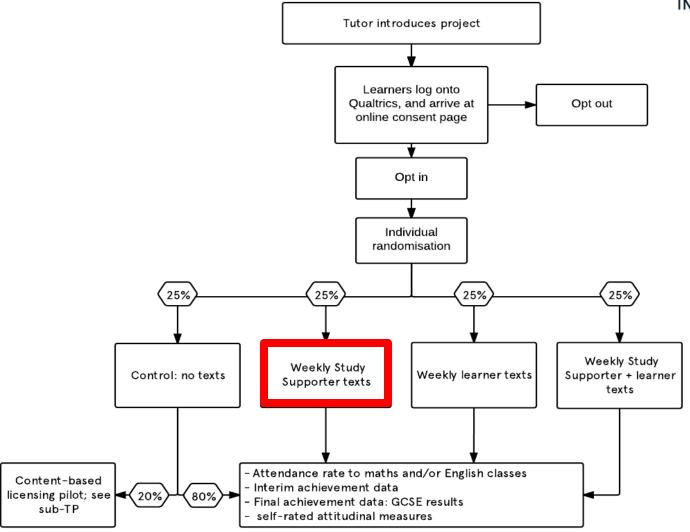
THE BEHAVIOURAL INSIGHTS TEAM.



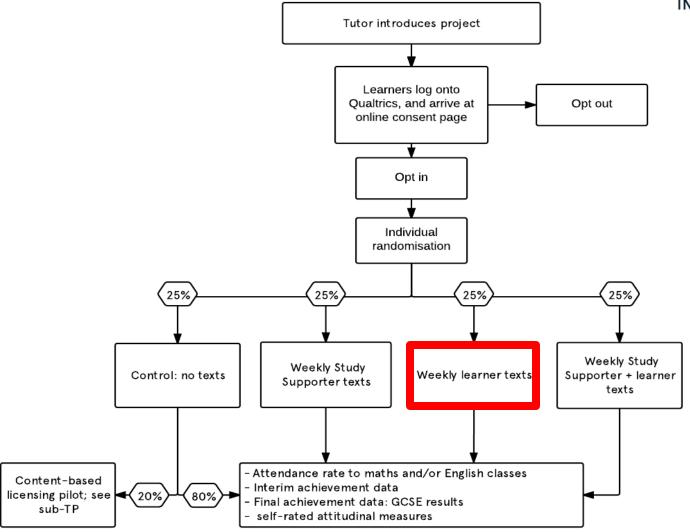
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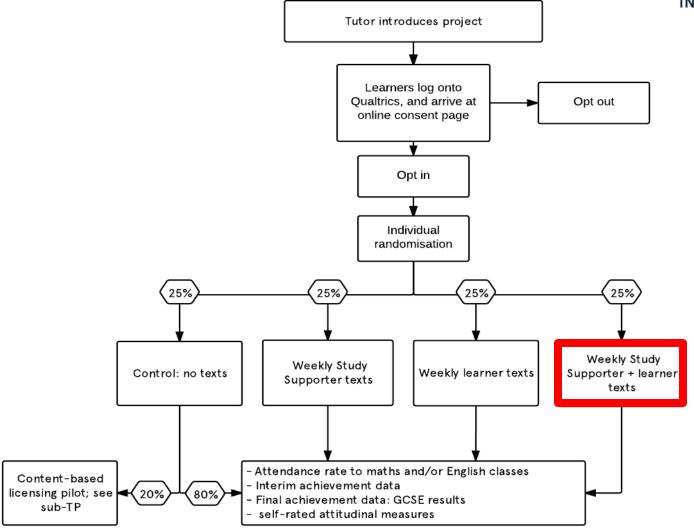
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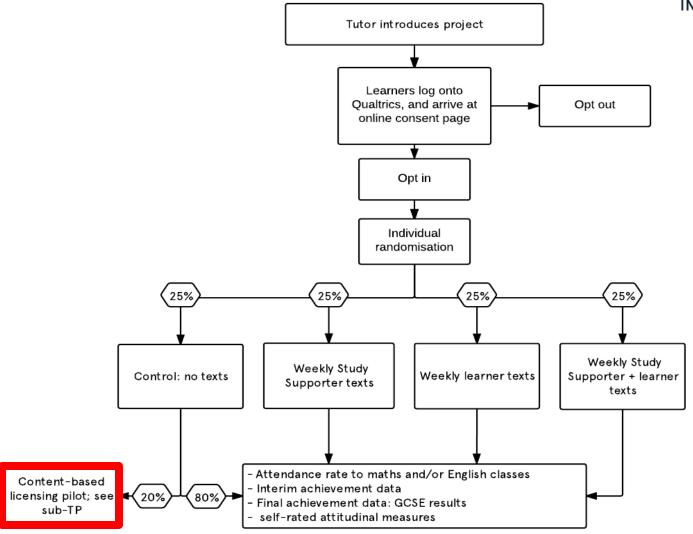
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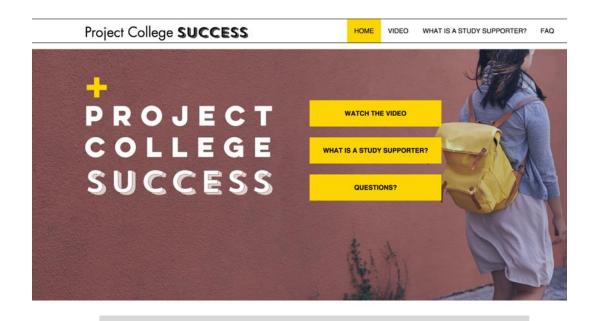
THE BEHAVIOURAL INSIGHTS TEAM.



THE BEHAVIOURAL INSIGHTS TEAM.



Project Success



Introducing Project Success

Content based licensing pilot

Bibi,

Michael has been reading the Hunger Games as part of class today. Ask him who died in the section they've just read, and why it was significant. Text back the name to win cinema tickets!

Project Success

Michael,

Bibi has been sent a competition message about the Hunger Games. Talk to her about the section you're reading to win cinema tickets!

Project Success

Taking to scale

- We have now conducted over 400 randomised trials
- A great many of these have been in the error of taxation, either at local or national level
- We've shown that Behavioural Insights can boost tax compliance
- Not universally successful (!)
- The process thus far has been fairly intensive.
- Can we make this easier?
- Can we make this cheaper?



Test Build

Michael Sanders Miranda Jackman





- BI Ventures use behavioural insights to build scalable products with a social impact.
- We set up BI Ventures because we realised that often the solution to a social issue is a product – not a government policy or intervention delivered by BIT consultants.

Whatis Test Build?

- Test+Build™ is a digital platform that supports organisations in the design and implementation of their own behavioural science interventions and randomised controlled trials.
- Online: The platform takes the customer through methodologies developed by BIT and provides materials introducing them to some of the key theories underpinning behavioural science.
- Offline: BIT staff are on hand to design the trial, conduct analysis and provide the final, quality assured report, as well as offer support throughout the process.



- BIT has run more than 400 trials, with extensive work in tax, debt and fraud.
- We want to provide a cost-effective way for organisations to apply behavioural science to their communications that draws on our years of experience running trials and knowledge of behavioural insights.
- Many local authorities can't, or won't, pay full price for consultancy services.
- Working with many local authorities intensely could mean a huge team, dedicated to just tax work.





Target: set an objective for your project



Explore: understand the context



Solution: design your interventions



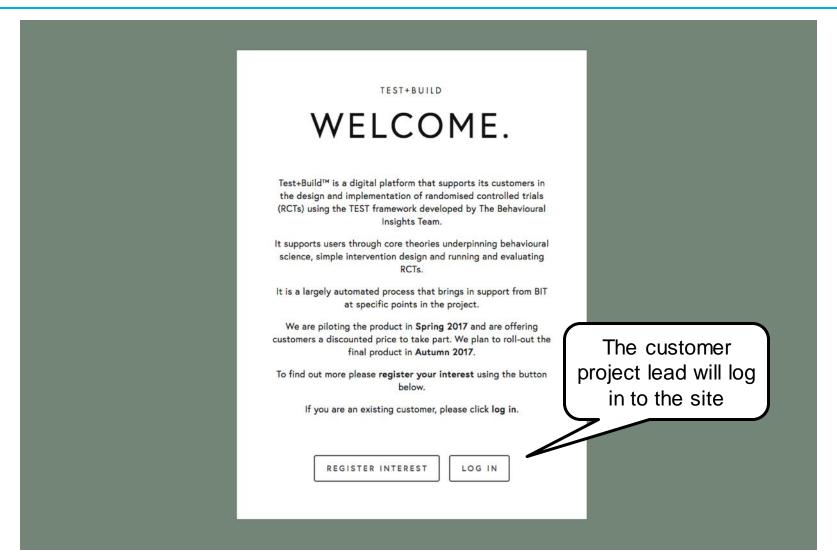
Trial: run an RCT to test your designs





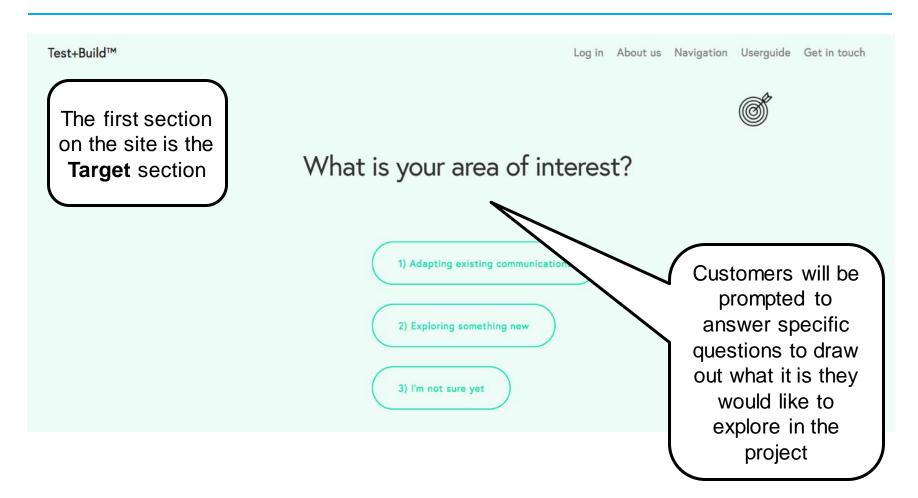
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Target: set an objective for your project



Explore: understand the context





Test+Build™

Log in About us Navigation Userguide Get in touch

The second section on the site is the **Explore** section

BI Case Studies

Understanding court fines

During an early project on the payment of court fines, we used data to understand where the king and identify potential bottlenecks. We then spent time with court officials and bailiffs to learn about a recovered. We accompanied bailiffs on early morning home visits and discovered that people who owes routinely ignoring reminder letters, which piled up next to their front door. And even if they did open them, understand the implications of the letter due to the complex language. We also spent time in the Courts Service and learned that court officials were occasionally using text messages to contact defendants, but were frustrated by of personalisation the system allowed. These insights, developed through the EXPLORE phase of a project, led to a rand controlled trial that found text messages to be an effective prompt to encourage people to pay their court fines. We were able to personalise the content of the text message to further improve its effectiveness.

Learn More

Customers will receive information on BIT methodologies, examples of our previous work and guides on research methods that have been developed by the team





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Explore: understand the context



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Explore: understand the context



Solution: design your interventions



Trial: run an RCT to test your designs





Test+Build™		Log in	About us	Navigation	Userguide	Get in touch
Lastly, you will on through the Tri section.					000	
	Now it's time to upload your sample to be randomised. Please be sure to pick an identified data later. Once you have uploaded your data we will randomise it and it email it back to you with a			c up your		
	Clicking on the button below will generate an email to your contact at BIT. They will then for you to upload your data to. UPLOAD DATA Now please identify the date you will be sending out your letter/email/text message.	n send you a	secure link v	will a	learn I simple send o	ction, you how to run RCT and out your ention.
	Email Address Send out date					

Test+Build pilot



- We have been piloting Test+Build with three customers.
- Two local authorities and one enforcement agency.
- We have results from one of the trials which we ran with Medway Council.



To convert **5%** of Medway Council taxpayers that are not currently signed up for Direct Debit to **sign up** for it **within one month** of the annual billing notice.





Solution: design your interventions

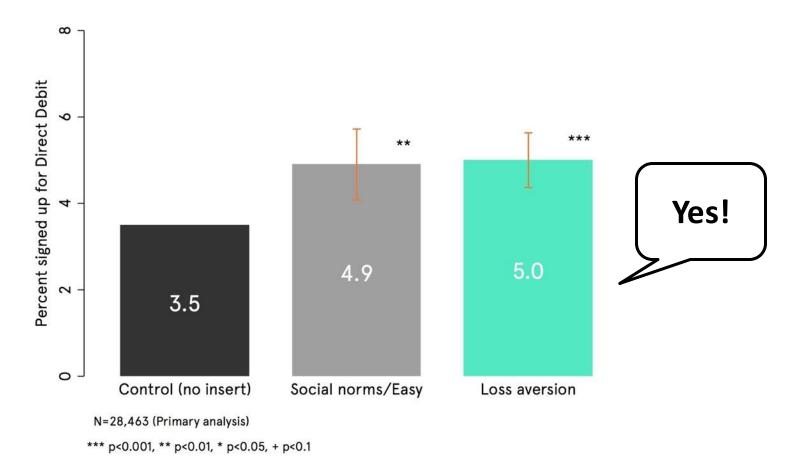


- Medway designed two letter inserts to go out with their annual billing reminders being sent to their tax payers.
- One insert drew on the idea of social norms and highlighted how many citizens in Medway paid their council tax via direct debit.
- The other insert used loss aversion to highlight the potential risks and costs involved with missing a council tax payment.
- Both drew on the EAST methodology developed by BIT.



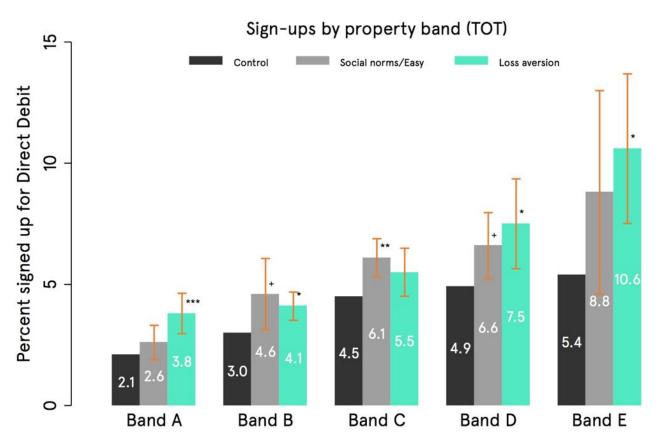


Primary analysis: Did we get 5% of taxpayers to switch?





Secondary analysis: How did effects differ by property band?



N=27,832 (Secondary analysis)

*** p<0.001, ** p<0.01, * p<0.05, + p<0.1 (comparisons are within bands)

Feedback



"The Test+Build platform was so easy to use and so informative. It helped us clearly define our project objective and design the interventions. Additionally, the Test+Build team provided excellent support, sage advice and carried out the complex analysis giving us confidence that the excellent results were real and not just a mere coincidence."

Patrick Knight, Finance Operations Systems Manager at Medway Council



What next for Test+Build?



- We hope to have results from the two other projects in the next couple of months.
- We will be having another pilot of the product in mid-July.
- We are offering local authorities a discounted price of £15,000 to take part.



Test Build

Thank you!

testandbuild@bi.team www.testandbuild.com