

The problem with AI

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The [Guardian's Gaby Hinsliff said in a column](#) published yesterday:

The idea of using technology as a kind of magic bullet enabling the state to do more with less has become increasingly central to Labour's plans for reviving British public services on what Rachel Reeves suggests will be a painfully tight budget. In a series of back-to-school interventions this week, [Keir Starmer promised](#) to "move forward with harnessing the full potential of AI", while the science secretary, Peter Kyle, argued that automating some routine tasks, such as marking, could free up valuable time for teachers to teach.

She is right: this is a Labour obsession. The drive appears to come from the Tony Blair Institute, its eponymous leader having had a long history of misreading the capacity of tech, little of which he ever seems to understand.

The specific issue she referred to was the use of AI for teaching purposes. AI enthusiasts think that it provides the opportunity to create a tailor-made programme for each child. As Gaby Hinsliff points out, the idea is failing, so far.

I am, of course, aware of the fact that most innovations have to fail before they can succeed: that is, by and large, the way these things work. It would be unwise as a consequence to say that because AI has not cracked this problem as yet it will not do so. But, even as someone who is actively embracing AI into my own workflow, I see major problems with much of what labour and others are doing.

The immediate reaction of the Labour market to AI would appear to be to downgrade the quality of the recruits now being sought as employers think that AI will reduce demand for those with skills in the future. And yes, you did hear that right: the assumption being made is that specialist skills will be replaced with AI in a great many areas. Graduates are being hit hard by this attitude right now.

In accountancy, for example, this is because it is assumed that much less tax expertise will be required as AI will be able to answer complex questions. Similarly, it is assumed

that AI will take over the production of complex accounts, like the consolidated accounts of groups of companies.

Those making such assumptions are incredibly naive. Even if AI could undertake some parts of these processes, there would be massive problems created as a consequence, the biggest of which by far is that no one will then have the skills left to know whether what AI has done is right.

The way you become good at tax is by reading a lot about it; by writing a lot about it (usually to advise a client); and by having to correct your work when someone superior to you says you have not got it right. There is a profoundly iterative process in human learning.

Employers seem to think at present that they can do away with much of this. They do so because those deciding it is possible to eliminate the training posts have been through them and, as a result, have acquired the skills to understand their subject. They do, in other words, know what the AI is supposed to be doing. But when those fewer people who will now be recruited reach a point of similar authority, they will not know what the AI is doing. They will just have to assume it is right because they will lack the skills to know whether that is true, or not.

The logic of AI proponents is, in that case, the same as that used by the likes of Wes Streeting when they advocate the use of physician associates, who are decidedly partly trained clinicians now working in the NHS, and even undertaking operations, without having anything like the depth of knowledge required to undertake the tasks asked of them. They are trained to answer the questions they are given. The problem is that the wrong question might have been asked, and then they both flounder and cause harm.

The same is true of AI. It answers the question it is given. The problem is how it solves the problem that is not asked - and very rarely does a client ever ask the right question when it comes to tax. The real professional skill comes from, firstly, working out what they really want, secondly, working out whether what they want is even wise, and thirdly, reframing the question to be one that might address their needs.

The problem in doing that is that this is an issue all about human interaction, but which also requires that the whole technical aspect of the issues being looked at (which usually involve multiple taxes, plus some accounting and very often some law) be understood so that the appropriate reframing can take place, all of which requires considerable judgement.

Do I think AI is remotely near undertaking that task as yet? No, I don't.

Am I convinced that AI can ever undertake that task? I also doubt that, just as I doubt its ability to address many medical and other professional issues.

Why is that? It is because answering such questions requires an ability to read the client - including all their nonverbal and other signals. The technical stuff is a small part of the job, but without knowing the technical element, the professional - in any field - and I include all skilled occupations of all sorts in that category - has no chance of framing their question properly, or knowing whether the answer they provide is right or not.

In other words, if the young professional is denied the chance to make all the mistakes in the book, as would happen if AI replaced them, then the chance they will ever really know enough to solve real-world problems posed by real-world people is very low indeed, not least because almost no one who seeks help from any professional person wants a technical answer to any question.

They want the lights to work.

They want the pain to go away.

They want to pay the right amount of tax without risk of error.

They want to get divorced with minimum stress.

The professional's job is not to tell them how to do these things. It is to deliver human solutions to human problems. And they can't do that if they do not understand the human in front of them and the technical problem. Use AI to do the tech part, and what is left is a warm, empty, and meaningless smile that provides comfort to no one.

I am not saying we should not use AI. I know we will. But anyone thinking it can replace large parts of human interaction is sorely mistaken: I do not believe it can, precisely because humans ask utterly illogical questions that require a human to work out what they even mean.

And that's also why I think Gaby Hinsliff is right to say that AI can only have a limited role in the classroom when she concludes:

It's true that AI, handled right, has enormous capacity for good. But as Starmer himself keeps saying, there are no easy answers in politics – not even, it turns out, if you ask ChatGPT.