



PSA Wizard: Utilising artificial intelligence to enhance your PSA processes

The PSA Wizard is Deloitte's market leading technology solution which supports users with the end-to-end delivery of PAYE Settlement Agreement (PSA) projects by automating the data classification process by categorising large volumes of data in a tax sensitised manner.

The PSA Wizard allows users to establish a consistent, auditable framework for PSA analysis and reporting. Leveraging artificial intelligence ("AI") powered Machine Learning ("ML") and fuzzy rules-based classification, it can significantly reduce preparation time whilst also improving accuracy and consistency.

How does the PSA Wizard work?

Configuration



By using a configurable supervised ML training method, our AI studies your tax categorised data ("training data") and learns patterns which have influenced each classification. A bespoke model is developed and rigorously tested using a separate dataset to ensure optimal performance. Results are optimised when our Deloitte practitioners have input into the development of your training data. Our Machine Learning models typically achieve accuracy levels between 95% and 99.5%.

Analysis



Once your bespoke ML model has been developed, your non-categorised ('raw data') data such as expense reports and ledger data can be uploaded to the tool and the model will categorise each line item into tax sensitised "PSA buckets" and will provide confidence levels for each decision to aid review.

The tool also provides a review framework to allow users to apply a targeted review methodology, with the goal of focusing the review on the most impactful items within the data set (typically 5-15% of total data).

Output



The Wizard will produce submission ready PSA computations using your specific employee tax rate data, as well as creating PSA reports for individual cost centres to support internal recharges.

Why do employers use PSA Wizard?



Save time and Resource

Automating PSA processes allows your professionals to confidently shift away from a line-by-line review, to focussing their time on the higher value and higher risk areas.



Improved compliance

By applying consistent rule sets or ML models year by year, the PSA Wizard can improve PSA computation accuracy as it promotes consistency, reduces risk of human error and potential impacts of labour turnover.



Reduce prudent over reporting

The efficiencies the PSA Wizard produces allows you to focus your efforts on your specific areas of challenge, meaning that you do not need to take overly prudent blanket positions to save time and can leverage available exemptions.



Complete audit trail

The tool grants full visibility over every single action made within the Wizard. A variety of Excel reports are available for download to support the review process and future audit trail needs.

Get in touch

For more details on how the PSA Wizard can help transform your PSA process or to request a demo, please contact:

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