Q&A Webinar: Applying AI to HEC-RAS modelling workflows

Question #	Question	Answer(s)
1	Hi, will this have a CPD certificate? thanks	You will receive a Certificate of Participation along with the webinar recording. Thanks.
	Does anyone know if the pipe system in HECRAS 6.6 will be SWMM models?	The HEC team did not shared further details on the specifics of pipe systems integeration.
		did they indicate any details on how the pits/manholes are integrated in terms of flow capture and bypass flows
		Not that I can recall! Only one slide was shared on that! Here is a summary: https://www.hydromohsen.com/blog-posts/hec-ras-2025
3	Could we integrate HEC-RAS + AI in R?	Yes, most things should be analogous in R. However, I don't believe there are bindings in R to work with HEC-DSS files in R, like you can with pydsstools.
4	Is this example using the paid version of Chat-GPT?	Its using model 4o which is free to everyone
5	Hi, from tassie. any chance we can get the .pptx file for reference at the end of the webinar?	Yes we will upload the slides as PDF to our website resources after the webinar today. Thanks
7	How much time can I save in a process (a step) compared to doing the process in the conventional way?	This is a great question to ask yourself before automating a specific task! In general, I would say it's 100% worth it to learn python/automation for your modeling career though
8	For project with confidential and senstive data, how do we know if the uploaded data to ChatGPT will appear elsewhere or being stored anywhere? What's are security risks associated with uploading data to ChatGPT?	There is a teams and enterprise account which keeps data private, meaning they do not train their models on your data. If you are using a free or paid personal account, they will use that data to train their models so your personal accounts shouldn't be used for anything confidential.
9	Is this lecture use the paid version of ChatGPT?	These examples so far can be done with the free version.
10	How much of a risk of data being stolen if we upload our data to chatGPT?	The data is deleted after a few hours, however they will train their models based on your conversation unless you are using a Team account or Enterprise account.
11	When you ask ChatGPT to do these sort of analyses, will it always retuns with Python code? Or does it need to be instructed to do this?	It is typically pretty good at understanding when it should utilize python, I don't typically have to instruct it to do so. it can write code in other programming languages as well but will not be able to execute the code unless it is written in python.
12	Can We perform Watershed and TC calculation be providing the Terrain and Google Hybrid Data? The contours data can be provided as prompt in this case.	I have used ChatGPT to help with Tc calcs by uploading a DEM and flow path shapefile. You can have it extract upstream/downstream elevations, calculate slopes, etc. I have an example documented here: https://www.linkedin.com/posts/aaronjnichols_time-of-concentration-calculations-with-chatgpt-activity-7207456771970326529-YEhS?utm_source=share&utm_medium=member_desktop
15	is there anything specific for Infoworks ICM or QGIS coming up?	Hi, we have an upcoming webinar from Infoworks ICM: https://awschool.com.au/training/water-management-with-autodesk/ We also have an upcoming course in PyQGIS that may be of interest to you: https://awschool.com.au/training/automating-gis-with-pyqgis/ Also an AI- Python course: https://awschool.com.au/training/ai-python-for-modellers/
16	Is there any webminar or video link you all have done for beginners on use of HEC-RAS for modelling discharge rating curve?	We have a course on Ratings Curve that may be of interest to you: https://awschool.com.au/training/rating-curves/