

Congratulations! You passed!

Grade received 100% To pass 80% or higher

 $\textcircled{ } \ \, \text{Attribute the function with @tff.federated_computation} \\$

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Week 4 Quiz

Latest Sub	mission	Grad	e 100%
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	What is the privacy principle of ferward cellection?	1/1 point
2.	What is the privacy principle of focused collection? Data is filtered by the network to remove all irrelevant data Engineer filters all the data to get only what she needs for a calculation Devices report only the data needed for a specific computation Devices filter all the data from the server to only use updates Correct	1/1 point
3.	What is secure aggregation? Data is aggregated before being sent to the server, and only sent on encrypted channels Devices in a network pair up, and create obfuscation keys that get cancelled out when aggregated on the server Devices in a network pair up, and aggregate mutual data before sending to the server Data is aggregated on the device before sending to the server, and sent on an encrypted channel Correct	1/1 point
4.	TensorFlow Federated includes a Federated Learning API, a Federated Core API and a runtime for simulations. What's the role of the Federated Learning API? It's designed to allow the expression of new Federated algorithms It is the API for everything Federated Learning It is a mobile runtime for Federated Learning It contains implementations of federated training that can be applied to existing tensorflow models and data Correct	1/1 point
	If you want to declare a federated type, where a numeric item of data is available across all your devices, how do you do it? Each device needs the same variable name and type You can't do this for privacy reasons, you have to declare it when submitting to the server You declare the type as {float32}@clients You declare the type as {float32}@server Correct	1/1 point
6.	If you want to do a federated computation on the server, what do you need to do to your computation function?	1/1 point

	O Nothing, it will just work automatically	
	Make sure it returns its value to @Clients	
	Attribute the function with @federated	
7.	You want to return a mean value of client values, calculated on the server, back to the clients. How do you do this?	1/1
	You have to use a tff.federated_mean to calculate the value and return its results	
	O You have to explicitly open a network pipe and send the value to all of the clients using it	
	O The return value from your function is automatically mapped to the clients	
	O You can't do this for privacy reasons	
	⊘ Correct	
8.	If you want to try the tensorflow federated APIs, how do you install them for Python?	1/1
	O Pip install tensorflow-federated	
	O Pip install tf-federated	
	O Do nothing, they're included in TensorFlow	
	Pip install tensorflow_federated	
	⊘ Correct	