

Learn to teach,
for goodness sake.

*How RStudio certification is
changing my teaching methods.*

Mike K Smith, Pfizer R&D UK Ltd

This talk is for *YOU*...

- If you are looking for an R trainer and want to know what "RStudio certification" means
- If you are interested in becoming an RStudio certified trainer
- If you are creating training materials for others

An analogy: learning and teaching others R is a bit like training for and running a marathon



I can DO this!
(first 100 yards)



OMG, why is
it SO HARD??
(miles 8 - 26)

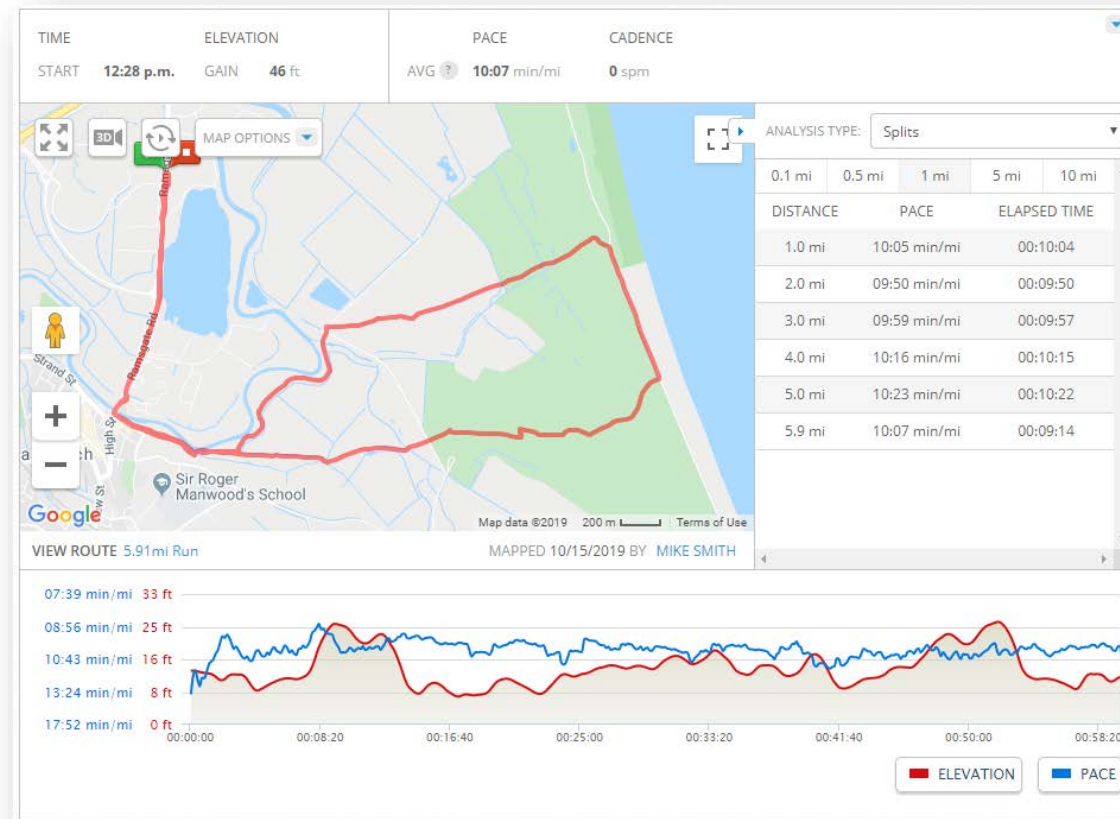


I DID IT!!
(last 100 yards)

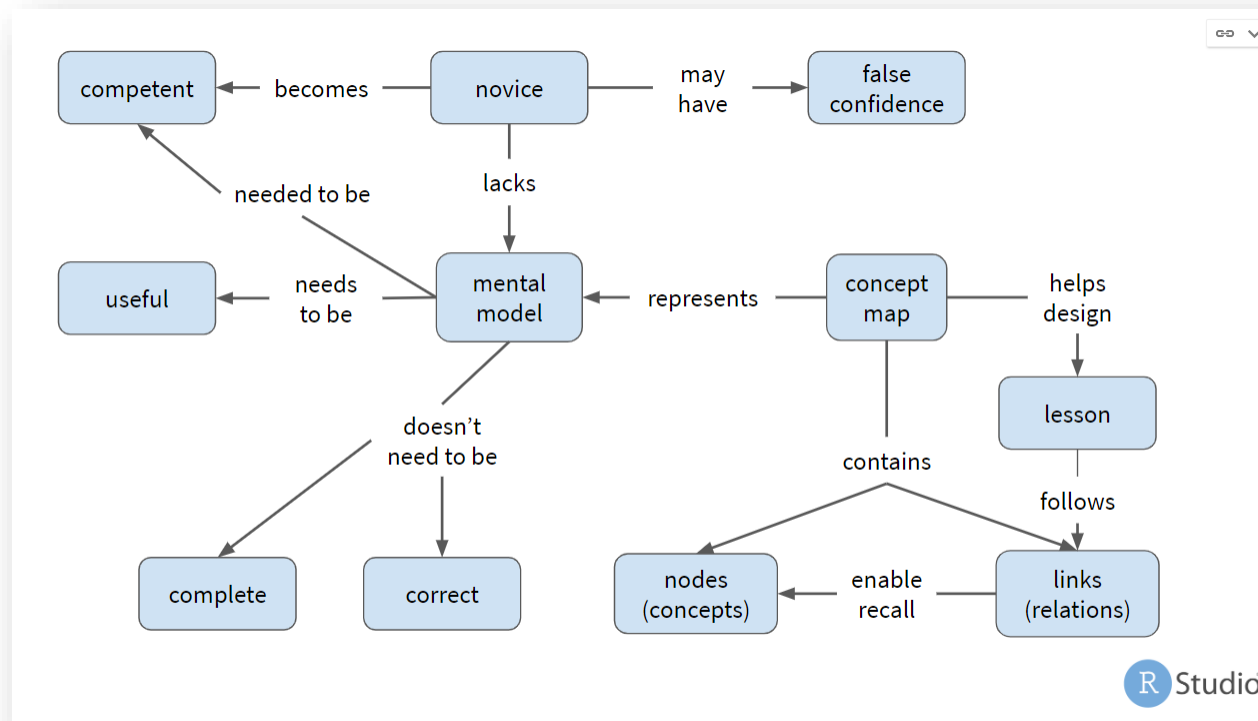
There's more to teaching R than
“simply” telling others how *YOU*
do R...

Certification training has changed
how I approach training others...

Plan your route: how far you are going, how long it will take.



Plan your training: how many topics are you covering, how concepts relate to each other.



Structure training to build on earlier training sessions...

Week 1	15 minutes jogging.	Rest	20 mins jogging.	Rest	Rest	25 mins jogging.	1 hour ramble
Week 2	25 mins jogging	Rest	35 mins jogging	Rest	Rest	30 mins jogging	75-min ramble
Week 3	30 mins jogging	Rest	40 mins jogging	Rest	Rest	35 mins jogging	90-min ramble
Week 4	35 mins jogging	Rest	45 mins jogging	Rest	Rest	35 mins jogging	1 hr jogging and walking.
Week 5	20-min run	Rest	50 mins jogging	Rest	Rest	Timed run over a 2M course	90-min ramble, or run in a 10K road race

Allow learners time to assimilate what you've taught and prepare for the next topic ...

Week 1	15 minutes jogging.	<i>Rest</i>	20 minutes jogging.	<i>Rest</i>	<i>Rest</i>	25 minutes jogging.	1 hour ramble
Week 2	25 mins jogging	<i>Rest</i>	35 mins jogging	<i>Rest</i>	<i>Rest</i>	30 mins jogging	75-min ramble
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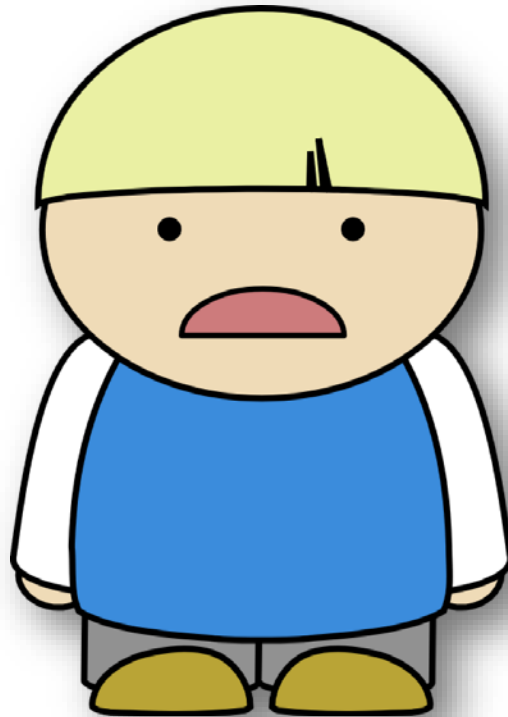
... and use planned assessments to check progress.

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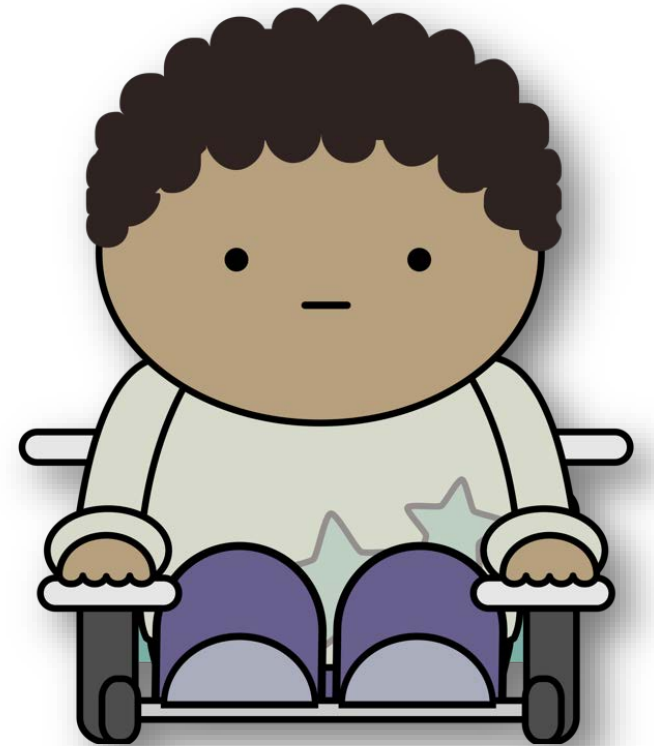
Each training session should help individuals attending towards achieving *their* goal.



Jacqui Ofalltrades



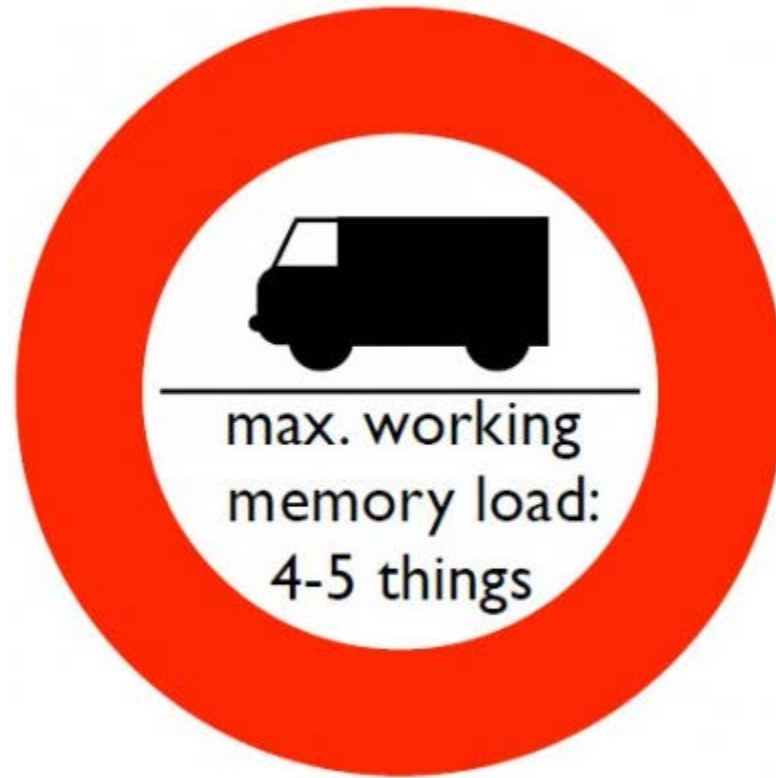
Exton Excel



Nang Newbie

<https://github.com/rstudio-education/learner-personas>

Doing too much too soon can lead to injury...



The first time you run a
mile is a BIG deal.

But by the time you can
run for 6 miles, 3 miles is
an “easy session”.

The journey - IDEAL



I can DO this!

Achieve THEIR goals

As quickly as possible



I DID IT!!

Find out more

- Find a certified trainer near you:
 - <https://education.rstudio.com/trainers#people>
- Become a certified trainer:
 - <https://education.rstudio.com/trainers#info>
 - Instructor training in February 2020. Contact Greg Wilson or Carl Howe at RStudio.
- RStudio Education material (CC-BY-SA license)
 - <https://github.com/rstudio-education>



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