

Data Structure:

Consider the following definition for a data structure called *FilmState*:

FilmState is a **title**, **minutes**, **genre**, and **star-rating**

```
data FilmState:  
  | film(  title      :: String,  
           minutes    :: Number,  
           genre      :: String,  
           star-rating :: Number )  
end
```

To make instances of this structure, I would write:

_____ = _____

_____ = _____

Choose one of your above instances, and note which dot-accessors you would use to access each of its fields:

Which of the following are functions that *could* be written based on the data definition for **FilmState**? Check all that apply

- ☐ `# is-longer : FilmState, FilmState -> Boolean`
`# Consumes a two FilmStates, produces true if the`
`# first film is longer than the second`
- ☐ `# has-role : FilmState, String -> Boolean`
`# consumes a FilmState and the name of an actor. Produces`
`# true if that actor has a role in the given film`
- ☐ `# too-scary : FilmState -> Boolean`
`# consumes a FilmState and produces true if the film is a`
`# horror movie`
- ☐ `# editor : FilmState, Number -> FilmState`
`# Consumes a FilmState and number of minutes, produces`
`# a FilmState which is the same as the given film, but with`
`# the given number of minutes cut out`
- ☐ `# top-billed : FilmState -> String`
`# Consumes a FilmState and produces the top-billed`
`# actor in that film`