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Course program*: [Quantitative Risk Analysis with R](#)

EpiX Analytics, Fort Collins, CO

Participants are encouraged to prepare for the class by reviewing this [document](#). However, this is not a pre-requisite for attendance.

The course runs from 09:00 to 17:00 each day, but **registrations on the first day begin at 8:30am**. Morning and afternoon coffee and lunch are provided. A social event will be provided at the beginning of the course. The course will be delivered in English.

<p><i>Day 1</i></p>	<p>Foundational topics</p> <ul style="list-style-type: none"> ○ Introduction to risk analysis ○ Basic statistics and probability principles in RA ○ Visualizing a probability problem <p>Learning the software</p> <ul style="list-style-type: none"> ○ Risk modeling in R
<p><i>Day 2</i></p>	<p>Learning the software (continued)</p> <ul style="list-style-type: none"> ○ Risk modeling in R ○ Presenting risk analysis results <p>Modeling techniques</p> <ul style="list-style-type: none"> ○ Stochastic processes, identities, mixtures
<p><i>Day 3</i></p>	<p>Modeling techniques</p> <ul style="list-style-type: none"> ○ Stochastic processes, identities, mixtures (continued) <p>Parameterizing models and more advanced techniques</p> <ul style="list-style-type: none"> ○ Fitting distributions to data
<p><i>Day 4</i></p>	<p>Parameterizing models and more advanced techniques (optional topics)**</p> <ul style="list-style-type: none"> ○ Uncertainty modeling ○ Combining evidence ○ Modeling dependencies <p>Discussion of application to course participants' projects/work</p>

*The program might be slightly modified based on relevance to audience.

**Optional topics will be provided in course notes, and may be covered based on relevance to audience