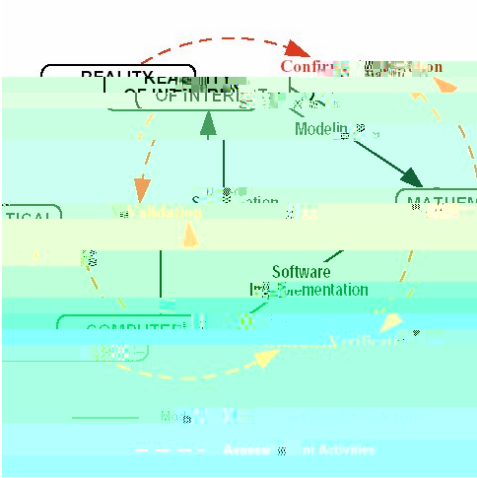




# WUQ

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```
import easyvvuq as uq
input_json = "test_cannon.json"
output_json = "out_cannon.json"
number_of_samples = 15
my_campaign = uq.Campaign(state_filename=input_json)
# Set parameters to vary
my_campaign.vary_param("angle",
                        dist=uq.distributions.uniform(0.0, 0.75))
```

U

P

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```
"runs":  
  "Run_0": {  
    "angle": 0.7757645082270815,  
    "height":
```

# U P : A

```
output_filename = 'output.csv'
output_columns = ['Dist', 'lastvx', 'lastvy']
uq.elements.colocate.aggregate_samples(my_campaign,
                                       output_filename=output_filename,
                                       output_columns=output_columns,
                                       header=0)

stats = uq.elements.analysis.BasicStats(my_campaign, value_columns=output_columns)
results, output_file = stats.apply()
my_campaign.save_state(output_json)
```

# E

- BaseEncoder
- encode
  - params -
  - target\_dir -

**E : G**

(cannon simulation template)

CANONSIM\_INPUT\_FILE:

gravity = #gravity

mass = #mass

velocity = #velocity

angle = #angle

height = #height

air\_resistance = #air\_resistance

time\_step = #time\_step

# D

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- ,
- BaseDecoder
- decode



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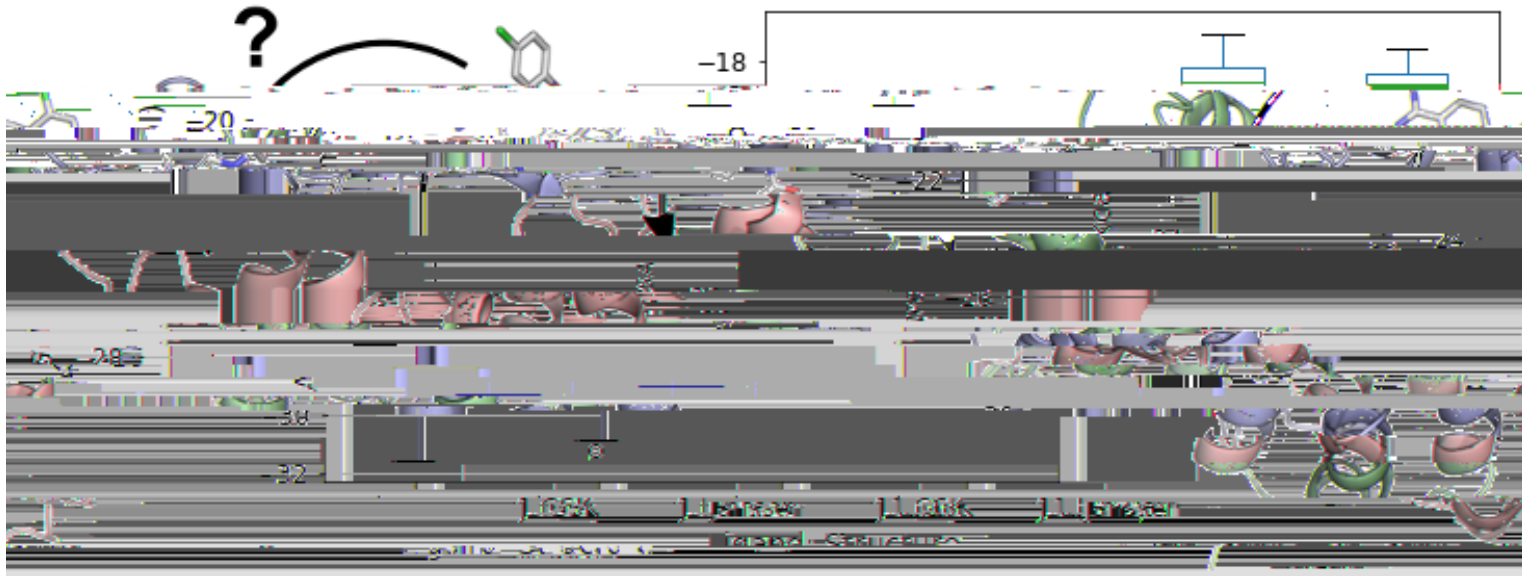
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Campaigns

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- Encoders/Decoders

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