# Spec Test Results: Small Data Analyst

475 examples, 0 failures, 108 pending
Finished in **75.35433 seconds**

**AnalysesController**

  GET #index

  | assigns all analyses as @analyses | 1.03840s |

  GET #show

  | assigns the requested analysis as @analysis | 0.06769s |

  GET #new

  | assigns a new analysis as @analysis | 0.03314s |

  POST #create

  with valid params

  | creates a new Analysis | 0.07126s |
  | assigns a newly created analysis as @analysis | 0.06645s |
  | redirects to the created analysis | 0.06629s |

  with invalid params

  | assigns a newly created but unsaved analysis as @analysis | 0.06513s |
  | re-renders the 'new' template | 0.06160s |

  DELETE #destroy

  | destroys the requested analysis | 0.07218s |
  | redirects to the analyses list | 0.07314s |

**AssumptionsController**

  GET #new

  | assigns a new assumption as @assumption | 0.03922s |

  POST #create

  PUT #update

**DatasetsController**

  GET #index

  | assigns all datasets as @datasets | 0.06108s |

  GET #show

  | assigns the requested dataset as @dataset | 0.04186s |

  GET #new

  | assigns a new dataset as @dataset | 0.04092s |

  GET #edit

  | assigns the requested dataset as @dataset | 0.04188s |

  POST #create

  with valid params

  | creates a new Dataset | 0.04739s |
  | assigns a newly created dataset as @dataset | 0.04108s |
  | redirects to the created dataset | 0.04547s |

  PUT #update

  DELETE #destroy

  | destroys the requested dataset | 0.03825s |
  | redirects to the datasets list | 0.03734s |

**HomeController**

  GET #index

  | returns http success | 0.02424s |

**ModelsController**

**GET #new**
    assigns a new model as @model      0.03247s
**POST #create**
**PUT #update**
**PreferencesController**
  **GET #new**
    assigns a new preference as @preference      0.05320s
  **POST #create**
  **PUT #update**
**QueryAssumptionResultsController**
  **PUT #update**
    **with invalid params**
      assigns the query_assumption_result as @query_assumption_result      0.04155s
      re-renders the 'edit' template      0.03453s
**ResearchQuestionsController**
  **GET #new**
    assigns a new research_question as @research_question      0.03022s
  **POST #create**
  **PUT #update**
**Admin::UsersController**
  **GET #new**
    assigns a new user as @user      0.06652s
  **POST #create**
  **PUT #update**
**creating a new analysis**
  should be logged in      0.82213s
**creating a new analysis**
  **with js support**
    **new analysis**
      should find field input fields      2.44002s
      should select attributes and create a new analysis      2.33714s
      should not allow an empty analysis to be created      1.38211s
    **show analysis**
      **with 2 possible models at the beginning and as3 not holding**
        should contain possible models      1.68764s
        should have 1 open query assumptions and 2 possible models      1.52727s
        "No" on first query      2.68048s
        Yes on first query and only one remainign (so no second answer)      3.56799s
      **with all 3 models beeing possible at the beginning**
        Yes on first query, then CD2_explain on AS2      4.77919s
        Yes on first query, then CD2_predict on AS2      5.65261s
**creating a new analysis**
  **show analysis with a test query plot**
    should show 1 possible model      3.46575s
    should have 1 open query assumptions and 1 possible models      2.91121s
    "No" on first query      6.07802s
    "YES" on first query      5.21178s
**creating a new preference**
  should show reseach question selection firt      0.88005s
**creating a new research question**

| should require a name | 0.27894s |
| should require a name | 0.47617s |

**phantomJs**

| should be of version 2.0.0 or higher | 0.07653s |

**As2Init**

| should have 3 possible models | 0.31267s |
| should have 3 possible models | 0.24147s |
| should return all model rules as contradictions | 0.32301s |

**ExtendedArgumentationFramework::DungSolver**

| should return two preferred extension | 0.00730s |
| should contain the preferred extension a1,a3 | 0.01449s |
| should contain the preferred extension a1,a4 | 0.00976s |

**ExtendedArgumentationFramework::Edge**

**#succeeds_wrt**

| should return the subject | 0.00801s |
| should not be accepted w.r.t {a3} | 0.00365s |
| should be accepted w.r.t {} | 0.00402s |

**ExtendedArgumentationFramework::Framework**

**#arguments**

| should respond to #arguments | 0.00787s |
| should contain exactly #<ExtendedArgumentationFramework::Argument:0x007ff0f0942378 @name="a_1">, #<ExtendedArgumentationFramework::Argument:0x007ff0f0942328 @name="a_2">, and #<ExtendedArgumentationFramework::Argument:0x007ff0f09422d8 @name="a_3"> | 0.00649s |

**#attacks**

| should respond to #attacks | 0.00573s |
| should contain exactly #<ExtendedArgumentationFramework::Edge:0x007ff0f0442a30 @source=#<ExtendedArgumentationFramework::Argument:0x007ff0f0442b20 @name="a_1">, @target=#<ExtendedArgumentationFramework::Argument:0x007ff0f0442ad0 @name="a_2">> | 0.00386s |

**#attacks_on_attacks**

| should respond to #attacks_on_attacks | 0.00510s |
| should contain exactly #<ExtendedArgumentationFramework::Edge:0x007ff0f07d3640 @source=#<ExtendedArgumentationFramework::Argument:0x007ff0f07d3708 @name="a_3">, @target=#<ExtendedArgumentationFramework::Edge:0x007ff0f07d3668 @source=#<ExtendedArgumentationFramework::Argument:0x007ff0f07d37a8 @name="a_1">, @target=#<ExtendedArgumentationFramework::Argument:0x007ff0f07d3758 @name="a_2">>> | 0.00439s |
| should only return the attacks_on_attacks of a given source | 0.00445s |

**#edges**

| should return attacks and attacks_on_attacks | 0.00634s |

**#parse**

| should have 3 arguments | 0.00677s |
| should match 3 arguments | 0.00613s |
| should have 2 attack | 0.00551s |
| should have one attack on attacks | 0.00694s |
| should have one attack on attacks | 0.00498s |
| should throw an error if no counterattack available | 0.01066s |

**framework**

| should have 9 arguments | 0.00652s |
| should have 7 edges | 0.00603s |
| should have 5 attacks on attacks | 0.00482s |
| should return one preferred extension | 0.00326s |

**ExtendedArgumentationFramework::Labelling**

**#set**

### for arguments

| | |
|---|---|
| should be inlabeled | 0.00416s |
| should change label to out | 0.00263s |
| should change label to undec | 0.00493s |

### with all In labelling

| | |
|---|---|
| a should be legally labelled in | 0.00500s |
| a should not be illegally labelled in | 0.00459s |
| b should be illegally labelled in | 0.00455s |
| b should not be legally labelled in | 0.00463s |
| should not be admissible | 0.00463s |

### with correct labelling

| | |
|---|---|
| a should be legally labelled in | 0.00543s |
| a should not be legally labelled out | 0.00341s |
| a should not be legally labelled undec | 0.00431s |
| b should be legally labelled out | 0.00510s |
| b should not be legally labelled in | 0.00357s |
| should be admissible | 0.00480s |
| b should not be legally labelled undec | 0.00402s |

### #clone

| | |
|---|---|
| should equal | 0.00232s |
| should not change properties | 0.00227s |

## more complex framework

### #clone

| | |
|---|---|
| should equal | 0.00402s |

### with all In labelling

| | |
|---|---|
| a should be legally labelled in | 0.00632s |
| a should not be illegally labelled in | 0.00497s |
| b should be in in | 0.00478s |
| b should not be legally in | 0.00584s |
| b should be illegally labelled in | 0.00457s |
| should label attack on attack in | 0.00452s |
| should not label attack on attack out | 0.00551s |
| should not label attack on attack undec | 0.00460s |
| should not label attack in | 0.00445s |
| should not label attack undec | 0.00522s |
| should label attack out | 0.00590s |
| should not be admissible | 0.00401s |

### with correct labelling

| | |
|---|---|
| a should be legally labelled in | 0.00292s |
| a should not be legally labelled out | 0.00468s |
| a should not be legally labelled undec | 0.00611s |
| b should be legally labelled in | 0.00587s |
| b should not be legally labelled out | 0.00438s |
| should be admissible | 0.00532s |
| b should not be legally labelled undec | 0.00470s |

## ExtendedArgumentationFramework::Solver

### with acceptability check

| | |
|---|---|
| should equal 6 | 0.00326s |
| should equal 5 | 0.00319s |

| | |
|---|---|
| should equal 11 | 0.00371s |
| z1to5 should be an array of arguments | 0.00446s |
| should be acceptable wrt. [z1,..z5] | 0.00847s |
| should not be acceptable wrt. [z1] | 0.00487s |

**with 3 models each attacking each other**

**with CD1_heavy in place**

| | |
|---|---|
| should return true for m2 | 0.00786s |
| should return false for m1 and m3 | 0.00607s |
| should return false for m1 | 0.00573s |
| should return false for m3 | 0.00715s |

**with CD1_mild in place**

| | |
|---|---|
| should return not decidable for acceptable for any m_1 and m2 | 0.01050s |
| should return not accceptable for m3 | 0.00711s |

**with CD2_predict in place**

| | |
|---|---|
| should return true for m2 | 0.00671s |
| should return false for m1 and m3 | 0.00685s |

**with CD2_explain in place**

| | |
|---|---|
| should return true for m2 | 0.00315s |
| should return false for m1 and m3 | 0.00360s |

**chaining CD1_mild and CD2_predict**

| | |
|---|---|
| should return m2 as only possible model | 0.00506s |
| should return m2 as only possible model on second level | 0.00581s |
| should declare m3 as not possible model | 0.00398s |
| should declare m1 as not possible model | 0.00510s |

**chaining CD2_predict and test**

| | |
|---|---|
| should return m2 as only possible model on first level | 0.00321s |
| should return m2 as only possible model | 0.00603s |

**chaining CD1_mild only**

| | |
|---|---|
| should return m1 as undecided model | 0.01309s |
| should return m2 as undec model | 0.00956s |
| should return m3 as non possible model | 0.00681s |

**chaining CD1_mild and TEST**

| | |
|---|---|
| should return m1 as only possible model | 0.00802s |
| should declare m3 as not possible model | 0.00656s |
| should declare m2 as not possible model | 0.01252s |

**AdminMailer**

**new_user_waiting_for_approval**

| | |
|---|---|
| renders the headers | 0.08694s |
| renders the body | 0.09846s |

**Analysis**

| | |
|---|---|
| should respond to #private | 0.08224s |
| should respond to #in_progress | 0.07192s |
| should be truthy | 0.00422s |
| should respond to #dataset | 0.10139s |
| should respond to #research_question | 0.09840s |
| should respond to #possible_models | 0.07294s |
| should respond to #query_assumption_results | 0.04998s |
| should validate that :research_question cannot be empty/falsy | 0.05995s |
| should validate that :dataset cannot be empty/falsy | 0.05535s |

**#start**

| | |
|---|---|
| should eq 3 | 1.69263s |
| should respond to #start | 1.61852s |
| should trigger start | 0.05433s |
| should create new QueryAssumptionResults | 0.94951s |
| should create only one QueryAssumptionResults | 0.93267s |
| should create a QueryAssumptionResults for a1 | 0.91365s |
| should assign 2 possible models for now | 1.22900s |

**Assumption**

**assumptions in general**

| | |
|---|---|
| should validate that :name cannot be empty/falsy | 0.00424s |
| should not respond to #assumptions | 0.00140s |
| should respond to #required_by | 0.00109s |
| should respond to #models | 0.00101s |
| should respond to #preference_arguments | 0.00130s |

**assumptions and assumptions**

| | |
|---|---|
| should be empty | 0.01047s |

**small argumentation framework**

| | |
|---|---|
| argument with no critical attacker should be critical true | 0.05933s |
| argument with a critical false assumption attacker should be critical false | 0.26939s |
| argument with a query critical false assumption attacker should be true as they should be ignored | 0.05811s |
| should return the query_assumption | 0.06214s |
| should return the query_assumption of a sub critical blank assumption | 0.06362s |
| should not return the query_assumption of a sub non-critical blank assumption | 0.05948s |
| should not return the query_assumption of a sub critical blank assumption that has a critical evaluating to false assumption | 0.07223s |
| argument with a critical assumption attacker should be critical true | 0.30700s |

**single argument should be critical true**

| | |
|---|---|
| should respond to #evaluate | 0.00790s |
| should be truthy | 0.04477s |

**#get_all_parents**

| | |
|---|---|
| should return empty for single assumption | 0.00853s |
| should return only parent | 0.02235s |
| should return itself if there is a circle | 0.03972s |
| should be invalid with a circle | 0.02237s |
| should be valid without a circle | 0.02191s |

**BlankAssumption**

**general BlankAssumptions**

| | |
|---|---|
| should respond to #assumptions | 0.00195s |
| should respond to #assumptions | 0.00153s |

**assumptions and assumptions**

| | |
|---|---|
| should be empty | 0.01152s |
| should be empty | 0.00891s |

**QueryAssumption**

**general QueryAssumption**

| | |
|---|---|
| should not respond to #assumptions | 0.00237s |
| should respond to #required_by | 0.00209s |

**assumptions and assumptions**

| | |
|---|---|
| should be empty | 0.00759s |

**TestAssumption**

**general TestAssumption**

| | |
|---|---|
| should respond to #required_by | 0.00185s |
| should not respond to #assumptions | 0.00171s |

**assumptions and assumptions**

| | |
|---|---|
| should be empty | 0.01001s |

**Dataset**

| | |
|---|---|
| should respond to #user | 0.01473s |
| should respond to #columns | 0.01523s |
| should respond to #data_file | 0.01550s |
| should respond to #data | 0.01577s |

**parsing a file**

| | |
|---|---|
| should parse the columns | 0.01637s |
| should be valid | 0.01527s |
| should have the right columns | 0.01716s |
| should have the right rows | 0.01610s |
| should call update_dataset_test_assumption_results | 0.01755s |
| should call update on the dataset_result | 0.28403s |

**DatasetTestAssumptionResult**

| | |
|---|---|
| should respond to #dataset | 0.24877s |
| should respond to #test_assumption | 0.24641s |

**validation**

| | |
|---|---|
| should allow nil for result | 0.26347s |

**test_assumption reference**

| | |
|---|---|
| should be possible to add TestAssumptions | 0.27056s |
| should not be possible to add Assumptions | 0.25384s |

**with test assumption**

| | |
|---|---|
| should return the test assumption | 0.24640s |
| should trigger update method on change of dataset | 0.02453s |

**#update**

| | |
|---|---|
| should trigger evaluate on test_assumpiton | 0.25047s |

**ModelOrder**

| | |
|---|---|
| should be valid | 0.12600s |
| should respond to #preference_argument | 0.11990s |
| should respond to #models | 0.09621s |
| should respond to #index | 0.09356s |
| should be able to delete | 0.10110s |

**Model**

| | |
|---|---|
| should respond to [:name, :description] | 0.01090s |
| should respond to #analyses | 0.01116s |
| should respond to #research_questions | 0.01192s |
| should respond to #assumptions | 0.01143s |

**PreferenceArgument**

| | |
|---|---|
| should be valid | 0.07798s |
| should respond to #model_orders | 0.08093s |
| should respond to #models | 0.07076s |
| should respond to #models_grouped | 0.07727s |
| should respond to #assumption | 0.08536s |
| should respond to #preference | 0.12076s |
| should be able to delete | 0.10405s |

## Preference

| | |
|---|---|
| should be valid | 0.19690s |
| should respond to #research_question | 0.17616s |
| should respond to #stage | 0.15584s |
| should respond to #user | 0.16218s |
| should respond to #name | 0.15974s |
| should respond to #int_name | 0.14325s |
| should respond to #preference_arguments | 0.13710s |
| should respond to #global | 0.14283s |
| should be able to delete | 0.16659s |

### with cd1

| | |
|---|---|
| should equal 2 | 0.18882s |
| should return the right rules | 0.20039s |
| should return the right rules for one assumption only | 0.20385s |
| should return the right rules for one assumption only | 0.20730s |

### stage 1-10 registered for statisticians only

#### a statistician

| | |
|---|---|
| should be allowed to set stage to 1 | 0.18441s |
| should not be allowed to set stage to 10 | 0.19543s |

#### a clinician

| | |
|---|---|
| should not be allowed to set stage to 1 | 0.18563s |
| should not be allowed to set stage to 10 | 0.16073s |

### #global

#### with global = true

##### a statistician

| | |
|---|---|
| should be allowed to set global | 0.16266s |
| should not be allowed to set stage to 10 | 0.16386s |

##### a clinician

| | |
|---|---|
| should not be allowed to set it | 0.19144s |

## QueryAssumptionResult

| | |
|---|---|
| should respond to #dataset | 0.04132s |
| should respond to #query_assumption | 0.03816s |
| should respond to #analysis | 0.03561s |

### validation

| | |
|---|---|
| should allow nil for result | 0.03615s |

### query_assumption reference

| | |
|---|---|
| should be possible to add QueryAssumptions | 0.04425s |
| should not be possible to add Assumptions | 0.03979s |

### only one per analysis and assumption

| | |
|---|---|
| should be invalid to have a second query_assumption | 0.07873s |

## ResearchQuestion

| | |
|---|---|
| should respond to #analyses | 0.00181s |
| should respond to #name | 0.00152s |
| should respond to #description | 0.00217s |
| should respond to #preferences | 0.00202s |
| should validate that :name is case-sensitively unique | 0.01508s |
| should be able to delete | 0.00543s |

## TestAssumption

| | |
|---|---|
| should be valid | 0.01481s |

| | |
|---|---|
| should trigger update on dataset_test_assumption_result | 0.25981s |

**check if the columns in the dataset are present**

| | |
|---|---|
| should succeed | 0.01721s |
| should not succeed if the columns are not present | 0.01294s |
| should not succeed if there are columns in both but the assumption requires one more | 0.01452s |
| should succeed if there are columns in both | 0.01237s |

**Users**

**GET /users**

| | |
|---|---|
| works! (now write some real specs) | 0.12589s |

**Analyses**

**GET /analyses**

| | |
|---|---|
| works! (now write some real specs) | 0.10592s |

**#new /analyses**

| | |
|---|---|
| should be success | 0.10711s |
| should render form | 0.11397s |
| should ask for a research question | 0.10525s |
| should ask for a dataset | 0.10653s |

**Assumptions**

**GET /assumptions**

| | |
|---|---|
| works! (now write some real specs) | 0.09838s |

**Datasets**

**GET /datasets**

| | |
|---|---|
| works! (now write some real specs) | 0.09746s |

**Models**

**GET /models**

| | |
|---|---|
| works! (now write some real specs) | 0.09399s |

**Preferences**

**GET /preferences**

| | |
|---|---|
| works! (now write some real specs) | 0.08996s |

**ResearchQuestions**

**GET /research_questions**

| | |
|---|---|
| works! (now write some real specs) | 0.08527s |

**AnalysesController**

**routing**

| | |
|---|---|
| routes to #index | 0.00210s |
| routes to #new | 0.00207s |
| routes to #show | 0.00186s |
| routes to #edit | 0.00184s |
| routes to #create | 0.00121s |
| routes to #update via PUT | 0.00158s |
| routes to #update via PATCH | 0.00136s |
| routes to #destroy | 0.00130s |

**AssumptionsController**

**routing**

| | |
|---|---|
| routes to #index | 0.00151s |
| routes to #new | 0.00205s |
| routes to #show | 0.00163s |
| routes to #edit | 0.00213s |
| routes to #create | 0.00168s |
| routes to #update via PUT | 0.00153s |

| | |
|---|---|
| routes to #update via PATCH | 0.00167s |
| routes to #destroy | 0.00160s |

**DatasetsController**

routing

| | |
|---|---|
| routes to #index | 0.00122s |
| routes to #new | 0.00135s |
| routes to #show | 0.00130s |
| routes to #edit | 0.00130s |
| routes to #create | 0.00111s |
| routes to #update via PUT | 0.00121s |
| routes to #update via PATCH | 0.00161s |
| routes to #destroy | 0.00166s |

**ModelsController**

routing

| | |
|---|---|
| routes to #index | 0.00198s |
| routes to #new | 0.00196s |
| routes to #show | 0.00135s |
| routes to #edit | 0.00125s |
| routes to #create | 0.00110s |
| routes to #update via PUT | 0.00107s |
| routes to #update via PATCH | 0.00109s |
| routes to #destroy | 0.00108s |

**PreferencesController**

routing

| | |
|---|---|
| routes to #index | 0.00112s |
| routes to #new | 0.00108s |
| routes to #show | 0.00104s |
| routes to #edit | 0.00109s |
| routes to #create | 0.00166s |
| routes to #update via PUT | 0.00153s |
| routes to #update via PATCH | 0.00133s |
| routes to #destroy | 0.00175s |

**QueryAssumptionResultsController**

routing

| | |
|---|---|
| routes to #index | 0.00202s |
| routes to #new | 0.00184s |
| routes to #show | 0.00142s |
| routes to #edit | 0.00162s |
| routes to #create | 0.00149s |
| routes to #update via PUT | 0.00153s |
| routes to #update via PATCH | 0.00166s |
| routes to #destroy | 0.00158s |

**ResearchQuestionsController**

routing

| | |
|---|---|
| routes to #index | 0.00131s |
| routes to #new | 0.00148s |
| routes to #show | 0.00124s |
| routes to #edit | 0.00136s |
| routes to #create | 0.00134s |

| | |
|---|---|
| routes to #update via PUT | 0.00187s |
| routes to #update via PATCH | 0.00128s |
| routes to #destroy | 0.00119s |

**Admin::UsersController**

  **routing**

| | |
|---|---|
| routes to #index | 0.00143s |
| routes to #new | 0.00145s |
| routes to #show | 0.00112s |
| routes to #edit | 0.00114s |
| routes to #create | 0.00106s |
| routes to #update via PUT | 0.00151s |
| routes to #update via PATCH | 0.00120s |
| routes to #destroy | 0.00110s |

**admin/users/edit**

| | |
|---|---|
| renders the edit user form | 0.11984s |

**admin/users/index**

| | |
|---|---|
| renders a list of users | 0.07609s |

**admin/users/new**

| | |
|---|---|
| renders new user form | 0.03216s |

**admin/users/show**

| | |
|---|---|
| renders attributes in <p> | 0.03641s |

**analyses/index**

| | |
|---|---|
| renders a list of analyses | 0.11410s |

**analyses/new**

| | |
|---|---|
| renders new analysis form | 0.04398s |

**analyses/show**

| | |
|---|---|
| renders attributes in <p> | 0.24959s |

**assumptions/edit**

  **BlankAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.16946s |

  **QueryAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.11744s |

  **TestAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.13093s |

**assumptions/index**

| | |
|---|---|
| renders a list of assumptions | 0.04906s |

**assumptions/new**

  **BlankAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.06975s |

  **QueryAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.04622s |

  **TestAssumption**

| | |
|---|---|
| renders the edit assumption form | 0.05676s |

**assumptions/show**

| | |
|---|---|
| renders attributes in <p> | 0.18577s |

**datasets/edit**

| | |
|---|---|
| renders the edit dataset form | 0.09453s |

**datasets/index**

| | |
|---|---|
| renders a list of datasets | 0.05167s |

**datasets/new**

| renders new dataset form | 0.02874s |

**datasets/show**

| renders attributes in <p> | 0.05951s |

**models/edit**

| renders the edit model form | 0.09746s |

**models/index**

| renders a list of model names | 0.05940s |

**models/new**

| renders new model form | 0.04910s |

**models/show**

| renders attributes in <p> | 1.19360s |

**preferences/edit**

| renders the edit preference form | 0.35746s |

**preferences/index**

| renders a list of preferences | 0.37552s |

**preferences/show**

| renders attributes in <p> | 0.27215s |

**research_questions/edit**

| renders the edit research_question form | 0.06979s |

**research_questions/index**

| renders a list of research_questions | 0.05031s |

**research_questions/new**

| renders new research_question form | 0.04230s |

**research_questions/show**

| renders attributes in <p> | 0.30257s |