**Model for functionality**

Dependent variable:

Preferred:

* Functionalinferred
  + (0 missing values: based on observed functionality at 2nd visit and observed functionality at 1st visit if 2nd visit functionality data unavailable)

Alternative:

* \_3\_1\_a\_functional
  + (30 missing values: based on observed functionality at 2nd visit)

Independent variables:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
* Avgprox3func
* Avgprox3funcNWSC
* Avgprox3funcprotect
* Avgprox3funcprotectNWSC
* Riskofcontamination10
* LandcoverUnDevelopedorDeveloped
* \_2\_2\_a\_Caretaker
* \_5\_2\_a\_ODFdeclaration
* \_4\_4\_feecollectionsystem
* \_4\_20\_persontrained
* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_4\_2\_regularuserhhs
* \_5\_0\_latrineaccess
* \_5\_1\_a\_facilitator

**Model for TTC above certain contamination thresholds (dichotomous)**

Dependent variable:

* TTC
  + Dichotomize at 11+
  + Dichotomize at 101+

Independent variables:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
* Avgprox3func
* Avgprox3funcNWSC
* Avgprox3funcprotect
* Avgprox3funcprotectNWSC
* Riskofcontamination10
* LandcoverUnDevelopedorDeveloped
* \_2\_2\_a\_Caretaker
* \_5\_2\_a\_ODFdeclaration
* \_4\_4\_feecollectionsystem
* \_4\_20\_persontrained
* \_5\_0\_latrineaccess
* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_5\_1\_a\_facilitator
* \_4\_2\_regularuserhhs

**Model for length of last breakdown**

Dependent variable:

* \_3\_3\_a\_lengthbreakdown

Independent variables:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
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* Avgprox3funcprotectNWSC
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* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_4\_2\_regularuserhhs

**Model for \_4\_9\_actualmonthlyfees**

Dependent variable:

* \_4\_9\_actualmonthlyfees

Independent variable:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
* Avgprox3func
* Avgprox3funcNWSC
* Avgprox3funcprotect
* Avgprox3funcprotectNWSC
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* \_5\_2\_a\_ODFdeclaration
* \_4\_4\_feecollectionsystem
* \_4\_20\_persontrained
* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_4\_2\_regularuserhhs
* \_5\_0\_latrineaccess
* \_5\_1\_a\_facilitator

**Model for reportedfeesdividedbyallusers**

Dependent variable:

* reportedfeesdividedbyallusers

Independent variables:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
* Avgprox3func
* Avgprox3funcNWSC
* Avgprox3funcprotect
* Avgprox3funcprotectNWSC
* Riskofcontamination10
* LandcoverUnDevelopedorDeveloped
* \_2\_2\_a\_Caretaker
* \_5\_2\_a\_ODFdeclaration
* \_4\_4\_feecollectionsystem
* \_4\_20\_persontrained
* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_4\_2\_regularuserhhs
* \_5\_0\_latrineaccess
* \_5\_1\_a\_facilitator

**Model for whether water source produces enough water to meet community needs year round**

Dependent variable:

* \_3\_6\_enoughwater

Independent variable:

* watersourcetype2
* \_2\_1\_responsible
* Topography
* Proxalt
* ProxNWSC
* Proxaltfunc
* ProxaltfuncNWSC
* Proxbore
* Proxfuncbore
* Proxprotect
* Proxfuncprotect
* ProxfuncprotectNWSC
* ProxTC
* Proxmarsh
* ProxfunctTTC<125
* ProxfunctprotectTTC<125
* ProxfunctprotectTTC<125NWSC
* Avgprox3func
* Avgprox3funcNWSC
* Avgprox3funcprotect
* Avgprox3funcprotectNWSC
* Riskofcontamination10
* LandcoverUnDevelopedorDeveloped
* \_2\_2\_a\_Caretaker
* \_5\_2\_a\_ODFdeclaration
* \_4\_4\_feecollectionsystem
* \_4\_20\_persontrained
* \_4\_3\_a\_authorizedlist
* \_4\_19\_personrepair
* \_4\_17\_planOandM
* \_4\_18\_enoughfundsrepair
* \_2\_3\_inspectorvisits
* \_3\_1\_d\_primaryuse
* \_3\_1\_b\_openallday
* \_4\_2\_regularuserhhs
* \_5\_0\_latrineaccess
* \_5\_1\_a\_facilitator
* functionalinferred