

## USPTO Office Action Research Dataset for Patents 2017 Release

### List of variables included in office\_actions

Variable Name	Description	Type	Format
app_id	Application number	str8	%-8s
ifw_number	Image File Wrapper (IFW) number of the Office action	str15	%-15s
document_cd	Office action document code	str4	%-4s
mail_dt	Date Office action mailed from USPTO	int	%td
art_unit	Examiner group art unit	str5	%-4s
uspc_class	Invention U.S. Classification	str4	%-4s
uspc_subclass	Invention U.S. Subclassification	str6	%-6s
header_missing	Equals 1 if Office action is missing standard heading(s) or has no heading(s), 0 otherwise	byte	%9.0g
fp_missing	Equals 1 if Office action has no form paragraphs, 0 otherwise	byte	%9.0g
rejection_fp_mismatch	Equals 1 if rejection(s) raised in action sentence(s) does not match form paragraph(s), 0 otherwise	byte	%9.0g
closing_missing	Equals 1 if Office action has no closing paragraph, 0 otherwise	byte	%9.0g
rejection_101	Equals 1 if 35 USC 101 rejection(s) raised, 0 otherwise	byte	%9.0g
rejection_102	Equals 1 if 35 USC 102 rejection(s) raised, 0 otherwise	byte	%9.0g
rejection_103	Equals 1 if 35 USC 103 rejection(s) raised, 0 otherwise	byte	%9.0g
rejection_112	Equals 1 if 35 USC 112 rejection(s) raised, 0 otherwise	byte	%9.0g
rejection_dp	Equals 1 if non-statutory double patenting rejection(s) raised, 0 otherwise	byte	%9.0g
objection	Equals 1 if objection(s) raised, 0 otherwise	byte	%9.0g
allowed_claims	Equals 1 if allowable claim(s) in Office action, 0 otherwise	byte	%9.0g
cite102_gt1	Equals 1 if more than 1 prior art citation referenced in 102 rejection, 0 otherwise	byte	%9.0g
cite103_gt3	Equals 1 if more than 3 prior art citations referenced in 103 rejection, 0 otherwise	byte	%9.0g
cite103_eq1	Equals 1 if only 1 prior art citation referenced in 103 rejection, 0 otherwise	byte	%9.0g
cite103_max	Max number of prior art citations referenced in 103 rejection	byte	%9.0g
signature_type	Signature Type (0-Examiner; 1-Primary Examiner (PE); 2-Examiner + PE; 3-Examiner + Supervisory Patent Examiner (SPE); 4-Examiner + PE/SPE + Director)	byte	%9.0g

Notes: Table lists the name and description of the variables included in the **office\_actions** data file of the *Dataset*.

## List of variables included in rejections

Variable Name	Description	Type	Format
app_id	Application number	str8	%-8s
ifw_number	Image File Wrapper (IFW) number of the Office action	str15	%-15s
action_type	Type of action raised, indicated by section of 35 USC or category (double patenting, objections, or allowed claims)	str29	%-20s
action_subtype	Subtype of action raised, indicated by section paragraph of 35 USC or keyword	str22	%-20s
claim_numbers	Claims in the application for which the action is raised	strL	%-20s
alice_in	Equals 1 if Alice decision referenced in Office action text, 0 otherwise	byte	%9.0g
bilski_in	Equals 1 if Bilski decision referenced in Office action text, 0 otherwise	byte	%9.0g
mayo_in	Equals 1 if Mayo decision referenced in Office action text, 0 otherwise	byte	%9.0g
myriad_in	Equals 1 if Myriad decision referenced in Office action text, 0 otherwise	byte	%9.0g

Notes: Table lists the name and description of the variables included in the **rejections** data file of the *Dataset*.

## List of variables included in citations

Variable Name	Description	Type	Format
app_id	Application number	str8	%-8s
citation_pat_pgpub_id	Patent or pre-grant publication prior art cited	strL	%-20s
parsed	Patent or pre-grant publication number parsed from citation_pat_pgpub_id	str16	%-20s
form892	Equals 1 if citation listed on Form PTO-892, 0 otherwise	byte	%9.0g
form1449	Equals 1 if citation listed on Form PTO-1449, 0 otherwise	byte	%9.0g
citation_in_oa	Equals 1 if citation referenced in the action sentence of the Office action	byte	%9.0g
ifw_number	Image File Wrapper (IFW) number of the Office action	str15	%-20s
action_type	Type of action raised, indicated by section of 35 USC or category (double patenting, objections, or allowed claims)	str3	%-15s
action_subtype	Subtype of action raised, indicated by section paragraph of 35 USC or keyword	str1	%-11s

Notes: Table lists the name and description of the variables included in the **citations** data file of the *Dataset*.