

Table	Attribute	Check type	Check status	Value	Expected value	Difference	Description	SQL
Business_unit	business_unit_key	PK UNIQUE	Ok	14	14	0		select count(*) as COUNT_VALUE, count(distinct business_unit_key) as COUNT_PK from business_unit
Business_unit	business_unit_name	repeated values	Ok	0	0	0	No repeated unit names	select business_unit_name, count (business_unit_name) FROM business_unit Group by (business_unit_name) HAVING COUNT(business_unit_name) > 1
Country	country_key	PK UNIQUE	Error	125	122	3	There are 3 not unique country_key	select count(*) as COUNT_VALUE, count(distinct country_key) as COUNT_PK from country
Country	country_name	repeated values	Error	-	-	-	Repeating values in country_name: Belarus 2 times Ecuador 3 times	select country_name, count (country_name) FROM country Group by (country_name) HAVING COUNT(country_name) > 1
Country	country_rank	format	Ok	0	0	0	There is no blank and invalid rank	select * from country where country_rank is null or country_rank < 0
Country	country_rank	max value	Ok	7.526	-	-		select max(country_rank) from country
Country	country_rank	min value	Ok	4.272	-	-		select min(country_rank) from country

Customer	customer_key	PK UNIQUE	Ok	275	275	0		select count(*) as COUNT_VALUE, count(distinct customer_key) as COUNT_PK from customer
Customer	customer_name	repeated values	Ok	0	0	0	There is no repeated customer names	select customer_name, count (customer_name) FROM customer Group by (customer_name) HAVING COUNT(customer_name) > 1
Customer	customer_name	blank values	Ok	0	0	0	There is no blank customer names	select count(customer_name) from customer where customer_name is null
Customer	customer_parent_key	consistency	Ok	0	0	0	All customer_parent_key are in customer_key	select count (*) from customer where customer_parent_key not in (select customer_key from customer)
Customer	industry_key	FK consistency	Error	42	0	42	There are 42 values in customer.industry_key (FK) that are not consistent with industry.industry_key (PK) (25 not consistent and 17 is null)	select count (*) from customer where industry_key not in (select industry_key from industry) or industry_key is null
Customer	country_key	FK consistency	Error	66	0	66	There are 66 values in customer.country_key (FK) that are not consistent with country.country	select count (*) from customer where country_key not in (select country_key from country) or country_key is null

							_key (PK) (43 not consistent and 23 is null)	
Customer	is_corp	blank values	Ok	0	0	0		select count(customer_key) from customer where is_corp is null
Customer	insert_date	blank values	Ok	0	0	0		select count(insert_date) from customer where insert_date is null
Delivery_status	status_key	PK UNIQUE	Error	12	6	6	These 2 attributes can be connected and form one primary key. In that case expected_value = value = 12	select count(*) as COUNT_VALUE, count(distinct status_key) as COUNT_PK from delivery_status
Delivery_status	status_type_key	PK UNIQUE	Error	12	2	10		select count(*) as COUNT_VALUE, count(distinct status_type_key) as COUNT_PK from delivery_status
Delivery_status	status_name	blank values	Ok	0	0	0		select count(status_key) from delivery_status where status_name is null
Delivery_status	eff_dttm	blank values	Ok	0	0	0		select count(status_key) from delivery_status where eff_dttm is null
Delivery_status	exp_dttm	dates consistency	Ok	0	0	0		select * from delivery_status where (exp_dttm - eff_dttm) < 0

Industry	industry_key	PK UNIQUE	Error	11	10	1	There is 1 not unique industry_key	select count(*) as COUNT_VALUE, count(distinct industry_key) as COUNT_PK from industry
Industry	industry_name	repeated values	Ok	0	0	0	There is no repeated industry_name	select industry_name, count (industry_name) FROM industry Group by (industry_name) HAVING COUNT(industry_name) > 1
Industry	industry_rank	blank values	Ok	0	0	0	There is no blank and invalid rank	select count(industry_key) from industry where industry_rank is null
Industry	is_active	blank values	Ok	0	0	0		select count(industry_key) from industry where is_active is null
Industry	eff_dttm	blank values	Ok	0	0	0		select count(industry_key) from industrywhere eff_dttm is null
Industry	exp_dttm	dates consisten cy	Ok	0	0	0		select count (*) from industry where (exp_dttm - eff_dttm) < 0
Solution_practic e	solution_practice_k ey	PK UNIQUE	Ok	14	14	0		select count(*) as COUNT_VALUE, count(distinct solution_practice_key) as COUNT_PK from solution_practice
Solution_practic e	solution_practice_n ame	blank values	Ok	0	0	0		select count(solution_practice_key) from solution_practice where solution_practice_name is null

Users	user_key	PK UNIQUE	Error	174	100	74	There are 74 not unique user_key	select count(*) as COUNT_VALUE, count(distinct user_key) as COUNT_PK from users
Users	user_first_name	blank values	Ok	0	0	0		select count(user_key) from users where user_first_name is null
Users	user_last_name	blank values	Ok	0	0	0		select count(user_key) from users where user_last_name is null
Users	user_login	blank values	Ok	0	0	0		select count(user_key) from users where user_login is null
Users	user_password	blank values	Ok	0	0	0		select count(user_key) from users where user_password is null
Users	user_role_type	format	Error	-	-	-	There are some small numbers of rows for role type, e.g. AI Bash, Scrappy AI Razor Daddy and other. We should ask business about this.	select user_role_type, count (user_role_type) FROM users Group by (user_role_type) HAVING COUNT(user_role_type) > 1
Users	user_write	blank values	Ok	0	0	0		select count(user_key) from users where user_write is null
Users	user_read	blank values	Ok	0	0	0		select count(user_key) from users where user_read is null
Users	eff_dttm	blank values	Ok	0	0	0		select count(user_key) from users where eff_dttm is null

Users	exp_dttm	dates consistency	Error	1	0	1	There is one user whose EXP_DTTM is less than EFF_DTTM	select count (*) from users where (exp_dttm - eff_dttm) < 0
Project	project_key	PK UNIQUE	Error	1472	1459	13	There are 13 not unique values in project_key	select count(*) as COUNT_VALUE, count(distinct project_key) as COUNT_PK from project
Project	project_short_name	blank values	Ok	0	0	0		select count(project_short_name) from project where project_short_name is null
Project	project_desc	repeated values	Error	491	0	491	There are 491 repeated (similar) descriptions	select PROJECT_DESC, count (PROJECT_DESC)FROM projectGroup by (PROJECT_DESC)HAVING COUNT(PROJECT_DESC) > 1
Project	customer_key	FK consistency	Error	138	0	138	There are 138 values in project.customer_key (FK) that are not consistent with customer.customer_key (PK) (109 not consistent and 29 is null)	select count (*) from project where customer_key not in (select customer_key from customer) or customer_key is null

Project	solution_practice_key	FK consistency	Error	584	0	584	There are 584 values in project.solution_practice_key (FK) that are not consistent with solution_practice.solution_practice_key (PK)	select count (*) from project where solution_practice_key not in (select solution_practice_key from solution_practice) or solution_practice_key is null
Project	business_unit_key	FK consistency	Ok	0	0	0		select count (*) from project where business_unit_key not in (select business_unit_key from business_unit) or business_unit_key is null
Project	open_dttm	blank values	Error	27	0	27	There are no open dates for 27 projects	select count(project_key) from project where open_dttm is null
Project	closed_dttm	dates consistency	Ok	0	0	0		select count (*) from project where (closed_dttm - open_dttm) < 0
Project_status	project_status_key	PK UNIQUE	Error	827	1	826	There are 826 not unique values in project_status_key	select count(*) as COUNT_VALUE, count(distinct project_status_key) as COUNT_PK from project_status
Project_status	project_key	FK consistency	Error	59	0	59	There are 59 values in project_status.project_key (FK) that are not consistent with project.project_key (PK)	select count (*) from project_status where project_key not in (select project_key from project) or project_key is null

Project_status	project_status_dttm	blank values	Ok	0	0	0		select count(project_status_dttm) from project_status where project_status_dttm is null
Project_status	delivery_status_key	FK consistency	Ok	0	0	0		select count (*) from project_status where delivery_status_key not in (select status_key from delivery_status) or delivery_status_key is null
Project_status	project_comment	repeated values	Error	-	-	-	There are 4 types of comments that are repeated multiple times.	select PROJECT_COMMENT, count (PROJECT_COMMENT) FROM project_status Group by (PROJECT_COMMENT) HAVING COUNT(PROJECT_COMMENT) > 1
Project_status	insert_user_key	FK consistency	Ok	0	0	0		select count (*) from project_status where insert_user_key not in (select user_key from users) or insert_user_key is null
Project_status	update_user_key	format	Ok	0	0	0	All update_user_key are in insert_user_key (in table Project_status)	select count (*) from Project_status where update_user_key not in (select insert_user_key from Project_status)
Project_status	is_closed	blank values	Ok	0	0	0		select count(IS_CLOSED) from project_status where IS_CLOSED is null