

Problem 2 addendum

Count stars

count_stars

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

number of stars
int [4]

number of stars
260562744

count_stars

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

number of stars
int [4]

'My Query' Details

Resubmit Job

JobID	TaskName	Context	Queue	Submitted	Started	Finished	Status
9119969	My Query	DR12	500	2/19/2015 3:14:15 PM	2/19/2015 3:14:22 PM	2/19/2015 3:14:27 PM	Finished
Executed	Rows	Message					
DR12_Long	1	Query Complete					

Query

```
SELECT COUNT(ObjID) FROM Star INTO mydb.count_stars
```

Find what missing data is set to

psf_star

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

min-psfMag_u	min-psfMag_g	min-psfMag_r	min-psfMag_i	min-psfMag_z	max-psfMag_u	max-psfMag_g	max-psfMag_r	max-psfMag_i	max-psfMag_z
real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]

min-psfMag_u	min-psfMag_g	min-psfMag_r	min-psfMag_i	min-psfMag_z	max-psfMag_u	max-psfMag_g	max-psfMag_r	max-psfMag_i	max-psfMag_z
-9999	-9999	-9999	-9999	-9999	33.81072	34.10476	32.85987	32.24763	31.88901

psf_star

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

min-psfMag_u	min-psfMag_g	min-psfMag_r	min-psfMag_i	min-psfMag_z	max-psfMag_u	max-psfMag_g	max-psfMag_r	max-psfMag_i	max-psfMag_z
real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]	real [4]

'__SYSTEM__ SYNTAX' Details

Resubmit Job

JobID	TaskName	Context	Queue	Submitted	Started	Finished	Status
9120186	__SYSTEM__ SYNTAX	DR12	1	2/19/2015 4:47:45 PM	2/19/2015 4:47:46 PM	2/19/2015 4:47:46 PM	Finished
Executed on	Rows	Message					
DR12	-1	Query Complete					
Query							

```
SET PARSEONLY ON SELECT COUNT(case psfMag_u when -9999 then 1 else null end), COUNT(psfMag_g), COUNT(psfMag_r), COUNT(psfMag_i), COUNT(psfMag_z)
FROM Star
INTO mydb.psf_star
```

Count stars with proper data- query

psf_star_count

Contains ~1 rows (~16 kB)

Notes Sample **Job** Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

psfMag_u_cou	psfMag_g_cou	psfMag_r_cou	psfMag_i_cour	psfMag_z_cou
int [4]	int [4]	int [4]	int [4]	int [4]

'My Query' Details

Resubmit Job

JobID	TaskName	Context	Queue	Submitted	Started	Finished	Status
9120485	My Query	DR12	500	2/19/2015 6:58:21 PM	2/19/2015 7:20:17 PM	2/19/2015 7:47:46 PM	Finished

Executed	Rows	Message
DR12_Long	1	Query Complete

Query

```
SELECT COUNT(case when psfMag_u > 0 then 1 else null end) AS psfMag_u_count,  
COUNT(case when psfMag_g > 0 then 1 else null end) AS psfMag_g_count,  
COUNT(case when psfMag_r > 0 then 1 else null end) AS psfMag_r_count,  
COUNT(case when psfMag_i > 0 then 1 else null end) AS psfMag_i_count,  
COUNT(case when psfMag_z > 0 then 1 else null end) AS psfMag_z_count  
FROM Star  
INTO mydb.psf_star_count
```

Count stars with proper data- results

psf_star_count

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

psfMag_u_cou	psfMag_g_cou	psfMag_r_cou	psfMag_i_cour	psfMag_z_cou
int [4]	int [4]	int [4]	int [4]	int [4]

psfMag_u_count	psfMag_g_count	psfMag_r_count	psfMag_i_count	psfMag_z_count
260561129	260560437	260561541	260560412	260561330

Average PSF magnitude- query

psf_star_avg

Contains ~1 rows (~16 kB)

Notes Sample **Job** Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

psfMag_u_cou	psfMag_g_cou	psfMag_r_cou	psfMag_i_cou	psfMag_z_cou
float [8]	float [8]	float [8]	float [8]	float [8]

'My Query' Details

Resubmit Job

JobID	TaskName	Context	Queue	Submitted	Started	Finished	Status
9120516	My Query	DR12	500	2/19/2015 7:25:44 PM	2/19/2015 7:47:50 PM	2/19/2015 7:53:54 PM	Finished

Executed	Rows	Message
DR12_Long	1	Query Complete

```
SELECT AVG(case when psfMag_u > 0 then psfMag_u else null end) AS psfMag_u_count,  
AVG(case when psfMag_g > 0 then psfMag_g else null end) AS psfMag_g_count,  
AVG(case when psfMag_r > 0 then psfMag_r else null end) AS psfMag_r_count,  
AVG(case when psfMag_i > 0 then psfMag_i else null end) AS psfMag_i_count,  
AVG(case when psfMag_z > 0 then psfMag_z else null end) AS psfMag_z_count  
FROM Star  
INTO mydb.psf_star_avg
```

Average PSF magnitude- results

psf_star_avg

Contains ~1 rows (~16 kB)

Notes Sample Job Plot Download Publish Neighbors Rename Drop

Table Schema type [size]

psfMag_u_cou	psfMag_g_cou	psfMag_r_cou	psfMag_i_cour	psfMag_z_cou
float [8]	float [8]	float [8]	float [8]	float [8]

psfMag_u_count	psfMag_g_count	psfMag_r_count	psfMag_i_count	psfMag_z_count
23.2143547260258	22.2076857856036	21.1501031126643	20.4192108928849	19.8856761626128
psfMag_u_count	psfMag_g_count	psfMag_r_count	psfMag_i_count	psfMag_z_count
23.2143547260258	22.2076857856036	21.1501031126643	20.4192108928849	19.8856761626128