

Laravel 复杂聚合查询 sql 构建, 备忘小例子

作者: [hon](#)

原文链接: <https://ld246.com/article/1530068118944>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)



在实际开发过程中时不时的会遇到一些统计查询的需求，面对复杂的查询需求可以直接手写原生sql后直接DB::select,当然也可以使用Illuminate\Database\Query\Builder组织查询程序，为了使代码更具可读性还是推荐使用Query\Builder较为优雅。

下面是备忘小例子

```
$query = DB::table('erp_cutover_statistic0')->whereBetween('statistic_at',[$this->start_date,$this->end_date])
->select('qty_hs_new_r', 'qty_hs_new_s', 'qty_cu_new_r', 'qty_cu_new_s', 'qty_hs_follow', 'qty_u_follow', 'qty_sh_seen_r', 'qty_sh_cu_seen_r', 'qty_sh_seen_s', 'qty_sh_cu_seen_s', 'qty_nh_seen', 'mp_id');
$queryToday = DB::table('erp_cutover_statistic0_today')->whereBetween('statistic_at',[$this->start_date,$this->end_date])
->select('qty_hs_new_r', 'qty_hs_new_s', 'qty_cu_new_r', 'qty_cu_new_s', 'qty_hs_follow', 'qty_u_follow', 'qty_sh_seen_r', 'qty_sh_cu_seen_r', 'qty_sh_seen_s', 'qty_sh_cu_seen_s', 'qty_nh_seen', 'mp_id');
$query->unionAll($queryToday);
$unionAllSql = $query->toSql();
$start = $this->dateToKey($this->start_date);
$end = $this->dateToKey($this->end_date);
$data = DB::table('employee_dim')->join('department_tree',function ($join){
    $join->on('employee_dim.dept_id','department_tree.dept_id')
    ->where($this->dept_filed,$this->dept_id);
})->leftJoin(DB::raw('('.$unionAllSql.') sub'),'sub.emp_id','employee_dim.emp_key')
->addBinding($query->getBindings())
->whereIn('position_id',$this->statPositionIds)
->groupBy('employee_dim.emp_key')
->orderBy('dept_name','ASC')
->orderBy('emp_name','ASC')
->selectRaw('emp_name,dept_name,SUM(qty_hs_new_r) qty_hs_new_r,SUM(qty_hs_new_s) qty_hs_new_s,SUM(qty_cu_new_r) qty_cu_new_r,SUM(qty_cu_new_s) qty_cu_new_s,SUM(qty_hs_
```

```

ollow) qty_hs_follow, SUM(qty_cu_follow) qty_cu_follow,SUM(qty_sh_seen_r) qty_sh_seen_r,S
M(qty_sh_cu_seen_r) qty_sh_cu_seen_r, SUM(qty_nh_seen) qty\_nh_seen,fn_get_stereo_visit_r(
mp_key,?,?,\e\') as stereo_visit_r,
fn_get_stereo_visit_s(emp_key,?,?,\e\') as stereo_visit_s',[$start,$end,$start,$end])
->skip($this->offset)->take($this->rows)->get();

```

实际查询时生成sql

```

SELECT
    emp_name,
    dept_name,
    SUM(qty_hs_new_r) qty_hs_new_r,
    SUM(qty_hs_new_s) qty_hs_new_s,
    SUM(qty_cu_new_r) qty_cu_new_r,
    SUM(qty_cu_new_s) qty_cu_new_s,
    SUM(qty_hs_follow) qty_hs_follow,
    SUM(qty_cu_follow) qty_cu_follow,
    SUM(qty_sh_seen_r) qty_sh_seen_r,
    SUM(qty_sh_cu_seen_r) qty_sh_cu_seen_r,
    SUM(qty_nh_seen) qty_nh_seen,
    fn_get_stereo_visit_r (
        emp_key,
        20160101,
        20180909,
        'e'
    ) AS stereo_visit_r,
    fn_get_stereo_visit_s (
        emp_key,
        20160101,
        20180909,
        'e'
    ) AS stereo_visit_s
FROM
    `employee_dim`
INNER JOIN `department_tree` ON `employee_dim`.`dept_id` = `department_tree`.`dept_id`
AND `dept1_id` = 394
LEFT JOIN (
    (
        SELECT
            `qty_hs_new_r`,
            `qty_hs_new_s`,
            `qty_cu_new_r`,
            `qty_cu_new_s`,
            `qty_hs_follow`,
            `qty_cu_follow`,
            `qty_sh_seen_r`,
            `qty_sh_cu_seen_r`,
            `qty_sh_seen_s`,
            `qty_sh_cu_seen_s`,
            `qty_nh_seen`,
            `emp_id`
        FROM
            `erp_cutover_statistic0`
        WHERE

```

```

        `statistic_at` BETWEEN 2016 - 01 - 01
    AND 2018 - 09 - 09
)
UNION ALL
(
    SELECT
        `qty_hs_new_r`,
        `qty_hs_new_s`,
        `qty_cu_new_r`,
        `qty_cu_new_s`,
        `qty_hs_follow`,
        `qty_cu_follow`,
        `qty_sh_seen_r`,
        `qty_sh_cu_seen_r`,
        `qty_sh_seen_s`,
        `qty_sh_cu_seen_s`,
        `qty_nh_seen`,
        `emp_id`
    FROM
        `erp_cutover_statistic0_today`
    WHERE
        `statistic_at` BETWEEN 2016 - 01 - 01
    AND 2018 - 09 - 09
)
) sub ON `sub`.`emp_id` = `employee_dim`.`emp_key`
WHERE
    `position_id` IN (
        5307,
        1926,
        1678,
        5308,
        5311,
        5312,
        5313,
        5314,
        5315,
        1791,
        1726,
        1728,
        5310,
        5316,
        5317,
        5318,
        5319
    )
GROUP BY
    `employee_dim`.`emp_key`
ORDER BY
    `dept_name` ASC,
    `emp_name` ASC
LIMIT 20 OFFSET 0``

```